

# **ATS 900**

Release 21.100 - Jun 2016

**ADDED SYSTEMS**  
**ADDED FUNCTIONS**

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[147 \[937\] - 147 1.6 TS 16V ECO](#)  
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## ALFA ROMEO

## 147 [937] - 147 1.6 TS 16V ECO

Year	Engine	Liters	HP	System	Functions
2000/11 - 2010/12	AR 37203	1.6	105	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## ALFA ROMEO

## 147 [937] - 147 1.6 TS 16V

Year	Engine	Liters	HP	System	Functions
2000/11 - 2010/12	AR 32104	1.6	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## ALFA ROMEO

## 147 [937] - 147 2.0 TS 16V

Year	Engine	Liters	HP	System	Functions
2000/11 - 2010/12	AR 32310	2.0	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## ALFA ROMEO

## 147 [937] - 147 1.9 JTD

Year	Engine	Liters	HP	System	Functions
2000/11 - 2005/03	937A2000	1.9	110 - 115	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2003/06 - 2006/10	182B9000	1.9	100	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## ALFA ROMEO

## 147 [937] - 147 3.2 GTA

Year	Engine	Liters	HP	System	Functions
2003/01 - 2010/12	932A000	3.2	250	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## ALFA ROMEO

## 147 [937] - 147 1.9 JTDM 16V

Year	Engine	Liters	HP	System	Functions
2002/10 - 2003/09	192A5000	1.9	140	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2003/06 - 2006/09	937A4000	1.9	126	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2004/10 - 2005/03	937A5000	1.9	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2004/02 - 2005/12	192B1000	1.9	136	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2005/06 - 2010/12	937A5000	1.9	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2006/01					

- 2010/12	192B1000	1.9	136	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2007/10 - 2010/12	937A6000	1.9	170	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

<b>ALFA ROMEO</b>					
<b>147 [937] - 147 1.9 JTDM</b>					
<b>Year</b>	<b>Engine</b>	<b>Liters</b>	<b>HP</b>	<b>System</b>	<b>Functions</b>
2005/04 - 2010/12	937A3000	1.9	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2006/01 - 2010/12	939A7000	1.9	115	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

<b>ALFA ROMEO</b>					
<b>159 [939] Berlina - 159 1.9 JTS</b>					
<b>Year</b>	<b>Engine</b>	<b>Liters</b>	<b>HP</b>	<b>System</b>	<b>Functions</b>
2005/06 - 2008/12	939 A6.000	1.9	160	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

<b>ALFA ROMEO</b>					
<b>159 [939] Berlina - 159 2.2 JTS</b>					
<b>Year</b>	<b>Engine</b>	<b>Liters</b>	<b>HP</b>	<b>System</b>	<b>Functions</b>
2005/06 - 2008/12	939 A5.000	2.2	185	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2011/01 -	939 A5.000	2.2	185	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

<b>ALFA ROMEO</b>					
<b>159 [939] Berlina - 159 1.9 JTDM 8V</b>					
<b>Year</b>	<b>Engine</b>	<b>Liters</b>	<b>HP</b>	<b>System</b>	<b>Functions</b>
2005/06 - 2008/12	939 A1.000	1.9	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2006/01 - 2008/12	937 A7.000	1.9	115	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

<b>ALFA ROMEO</b>					
<b>159 [939] Berlina - 159 1.9 JTDM 16V</b>					
<b>Year</b>	<b>Engine</b>	<b>Liters</b>	<b>HP</b>	<b>System</b>	<b>Functions</b>
2005/06 - 2008/12	939 A2.000	1.9	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2006/01 - 2008/12	937 A8.000	1.9	136	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

<b>ALFA ROMEO</b>					
<b>159 [939] Berlina - 159 2.4 JTDM</b>					
<b>Year</b>	<b>Engine</b>	<b>Liters</b>	<b>HP</b>	<b>System</b>	<b>Functions</b>
2005/06 -	939 A3.000	2.4	200	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

2008/12					
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ALFA ROMEO						159 [939] Berlina - 159 3.2 JTS Q4					
Year	Engine	Liters	HP	System		Functions					
2006/01 - 2008/12	939 A.000	3.2	260 - 265	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2011/01 -	939 A.000	3.2	260	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						159 [939] Berlina - 159 1.8i					
Year	Engine	Liters	HP	System		Functions					
2006/03 - 2011/11	939 A4.000	1.8	140	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						159 [939] Berlina - 159 2.4 JTD Q4					
Year	Engine	Liters	HP	System		Functions					
2006/09 - 2008/12	939 A9.000	2.4	209	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						159 [939] Berlina - 159 2.4 JTD					
Year	Engine	Liters	HP	System		Functions					
2007/02 - 2008/12	939 A9.000	2.4	209	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						159 [939] Berlina - 159 3.2 JTS					
Year	Engine	Liters	HP	System		Functions					
2007/08 - 2008/12	939 A.000	3.2	265	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						159 [939] Berlina - 159 1.8 TBI					
Year	Engine	Liters	HP	System		Functions					
2009/05 - 2011/11	939 B1.000	1.8	200	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						159 [939] Berlina - 159 2.0 JTDM					
Year	Engine	Liters	HP	System		Functions					
2009/05 - 2010/12	939 B3.000	2.0	170	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2010/06 -	939 B4.000	2.0	136	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2009/05 -	844 A2.000	2.0	163	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

**ALFA ROMEO 159 [939] Sportwagon - 159 1.9 JTS Sportwagon**

Year	Engine	Liters	HP	System	Functions
2006/03 - 2008/12	939 A6.000	1.9	160	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

**ALFA ROMEO 159 [939] Sportwagon - 159 1.9 JTDM Sportwagon**

Year	Engine	Liters	HP	System	Functions
2006/03 - 2008/12	939 A1.000	1.9	120	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

**ALFA ROMEO 159 [939] Sportwagon - 159 2.2 JTS Sportwagon**

Year	Engine	Liters	HP	System	Functions
2006/03 - 2008/12	939 A5.000	2.2	185	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

**ALFA ROMEO 159 [939] Sportwagon - 159 3.2 JTS Sportwagon Q4**

Year	Engine	Liters	HP	System	Functions
2006/03 - 2008/12	939 A.000	3.2	260 - 265	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

**ALFA ROMEO 159 [939] Sportwagon - 159 2.4 JTDM Sportwagon**

Year	Engine	Liters	HP	System	Functions
2006/03 - 2008/12	939 A3.000	2.4	200	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

**ALFA ROMEO 159 [939] Sportwagon - 159 1.8i Sportwagon**

Year	Engine	Liters	HP	System	Functions
2006/03 - 2008/12	939 A4.000	1.8	140	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

**ALFA ROMEO 159 [939] Sportwagon - 159 2.4 JTD Sportwagon Q4**

Year	Engine	Liters	HP	System	Functions
2006/09 - 2008/12	939 A9.000	2.4	209	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

**ALFA ROMEO 159 [939] Sportwagon - 159 2.4 JTD Sportwagon**

Year	Engine	Liters	HP	System	Functions
2007/02 - 2008/12	939 A9.000	2.4	209	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

ALFA ROMEO		159 [939] Sportwagon - 159 3.2 JTS Sportwagon				
Year	Engine	Liters	HP	System	Functions	
2007/08 - 2008/12	939 A.000	3.2	265	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration	

ALFA ROMEO		159 [939] Sportwagon - 159 1.8 TBi Sportwagon				
Year	Engine	Liters	HP	System	Functions	
2009/05 - 2010/12	939 B1.000	1.8	200	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration	

ALFA ROMEO		159 [939] Sportwagon - 159 2.0 JTDM Sportwagon				
Year	Engine	Liters	HP	System	Functions	
2009/05 - 2010/12	939 B3.000	2.0	170	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration	
2010/06 -	939 B4.000	2.0	136	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration	
2009/05 -	844 A2.000	2.0	163	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration	

ALFA ROMEO		Brera [939] - Brera 2.2 JTS				
Year	Engine	Liters	HP	System	Functions	
2006/01 - 2010/12	939 A5.000	2.2	185	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration	

ALFA ROMEO		Brera [939] - Brera 3.2 JTS 24V Q4				
Year	Engine	Liters	HP	System	Functions	
2006/01 - 2010/12	939 A.000	3.2	260	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration	

ALFA ROMEO		Brera [939] - Brera 2.4 JTDM 20V				
Year	Engine	Liters	HP	System	Functions	
2006/04 - 2010/12	939 A3.000	2.4	200	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration	
2007/05 - 2010/12	939 A9.000	2.4	209	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration	

ALFA ROMEO		Brera [939] - Brera 3.2 JTS 24V				
Year	Engine	Liters	HP	System	Functions	
2008/03 - 2010/12	939 A.000	3.2	265	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration	



2007/01 - 2008/02	939 A.000	3.2	260	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
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ALFA ROMEO						Brera [939] - Brera 1.8 TBi					
Year	Engine	Liters	HP	System		Functions					
2009/05 - 2010/12	939 B1.000	1.8	200	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						Brera [939] - Brera 2.0 JTDM					
Year	Engine	Liters	HP	System		Functions					
2009/05 - 2010/12	939 B3.000	2.0	170	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2009/02 - 2010/12	844 A2.000	2.0	163	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						GT [937] - GT 1.9 JTD 16V					
Year	Engine	Liters	HP	System		Functions					
2003/10 - 2010/12	937A5000	1.9	150	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2004/01 - 2010/12	937A5000	1.9	150	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2007/10 - 2010/12	937A6000	1.9	170	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						GT [937] - GT 2.0 JTS					
Year	Engine	Liters	HP	System		Functions					
2003/10 - 2010/12	937A1000	2.0	165	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						GT [937] - GT 3.2 V6					
Year	Engine	Liters	HP	System		Functions					
2003/10 - 2010/12	936A000	3.2	240	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						GT [937] - GT 1.8 TS					
Year	Engine	Liters	HP	System		Functions					
2003/10 - 2010/12	AR32205	1.8	140 - 144	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

ALFA ROMEO						Spider [939] - Spider 2.2 JTS					
Year	Engine	Liters	HP	System		Functions					

Year	Engine	Liters	HP	System	Functions
2006/03 - 2010/12	939 A5.000	2.2	185	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

ALFA ROMEO Spider [939] - Spider 3.2 JTS 24V Q4					
Year	Engine	Liters	HP	System	Functions
2006/09 - 2010/12	939 A.000	3.2	260	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

ALFA ROMEO Spider [939] - Spider 2.4 JTDM 20V					
Year	Engine	Liters	HP	System	Functions
2007/03 - 2010/12	939 A3.000	2.4	200	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2008/03 - 2010/12	939 A9.000	2.4	209	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

ALFA ROMEO Spider [939] - Spider 3.2 JTS 24V					
Year	Engine	Liters	HP	System	Functions
2008/03 - 2010/12	939 A.000	3.2	260	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

ALFA ROMEO Spider [939] - Spider 1.8 TBi					
Year	Engine	Liters	HP	System	Functions
2009/05 - 2010/12	939 B1.000	1.8	200	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

ALFA ROMEO Spider [939] - Spider 2.0 JTDM					
Year	Engine	Liters	HP	System	Functions
2009/05 - 2010/12	939 B3.000	2.0	170	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2009/04 - 2010/12	844 A2.000	2.0	163	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

[A2 \[8Z0\] - A2 1.4](#)  
[A3 \[8P1\] - A3 2.0 TDI](#)  
[A3 \[8P1\] - A3 2.0 TDI quattro](#)  
[A3 \[8P7\] Cabriolet - A3 2.0 TDI Cabriolet](#)  
[A3 \[8PA\] Sportback - A3 2.0 TDI Sportback quattro](#)  
[A3 \[8PA\] Sportback - A3 2.0 TDI Sportback](#)  
[A4 \[8D2, B5\] - A4 2.8](#)  
[A4 \[8D2, B5\] - A4 2.8 quattro](#)  
[A4 \[8D5, B5\] Avant - A4 2.8 Avant quattro](#)  
[A4 \[8D5, B5\] Avant - A4 2.8 Avant](#)  
[A4 \[8EC, B7\] - A4 2.0 TDI](#)  
[A4 \[8EC, B7\] - A4 2.0 TDI quattro](#)  
[A4 \[8ED, B7\] Avant - A4 2.0 TDI Avant](#)  
[A4 \[8ED, B7\] Avant - A4 2.0 TDI Avant quattro](#)  
[A6 \[4F2, C6\] - A6 2.7 TDI](#)  
[A6 \[4F2, C6\] - A6 3.0 TDI quattro](#)  
[A6 \[4F2, C6\] - A6 2.7 TDI quattro](#)  
[A6 \[4F5, C6\] Avant - A6 2.7 TDI Avant](#)  
[A6 \[4F5, C6\] Avant - A6 2.7 TDI Avant quattro](#)  
[A6 \[4F5, C6\] Avant - A6 3.0 TDI Avant quattro](#)  
[A6 \[4FH, C6\] Avant Allroad - A6 2.7 TDI Avant Allroad](#)  
[A6 \[4FH, C6\] Avant Allroad - A6 3.0 TDI Avant Allroad](#)  
[TT \[8J3\] Coupe - TT 2.0 TDI Coupe quattro](#)  
[TT \[8J9\] Roadster - TT 2.0 TDI Roadster quattro](#)

**AUDI** **A2 [8Z0] - A2 1.4**

Year	Engine	Liters	HP	System	Functions
2001/11 - 2005/08	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
1999/09 - 2002/04	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

**AUDI** **A3 [8P1] - A3 2.0 TDI**

Year	Engine	Liters	HP	System	Functions
2008/07 - 2010/05	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> </ul> </li> </ul>

2008/09 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2006/06 - 2008/06	BUY	2.0	163	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>
2006/03 - 2008/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

**AUDI A3 [8P1] - A3 2.0 TDI quattro**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> </ul> </li> </ul>

2008/09 - 2010/05	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2008/07 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2006/03 - 2008/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

AUDI					
A3 [8P7] Cabriolet - A3 2.0 TDI Cabriolet					
Year	Engine	Liters	HP	System	Functions
2008/04 - 2010/05	CBAA	2.0	136	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

**AUDI A3 [8PA] Sportback - A3 2.0 TDI Sportback quattro**

Year	Engine	Liters	HP	System	Functions
2008/07 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2006/03 - 2008/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

**AUDI A3 [8PA] Sportback - A3 2.0 TDI Sportback**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> </ul> </li> </ul>



2008/07 - 2010/05	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learning operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2009/09 -	CBEA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2006/03 - 2008/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>
2006/06 - 2008/06	BUY	2.0	163	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

AUDI A4 [8D2, B5] - A4 2.8					
Year	Engine	Liters	HP	System	Functions
1999/03 - 2000/10	ATX	2.8	190	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

AUDI A4 [8D2, B5] - A4 2.8 quattro					
Year	Engine	Liters	HP	System	Functions
1999/09 - 2000/10	ATX	2.8	190	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

AUDI A4 [8D5, B5] Avant - A4 2.8 Avant quattro					
Year	Engine	Liters	HP	System	Functions
1999/09 - 2001/09	ATX	2.8	190	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

AUDI A4 [8D5, B5] Avant - A4 2.8 Avant					
Year	Engine	Liters	HP	System	Functions
1999/03 - 2001/09	ATX	2.8	190	Engine control	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> </ul>

2001/09				Marelli 4	- Evaporative emission control functional test
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AUDI A4 [8EC, B7] - A4 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
2006/06 - 2008/06	BVA	2.0	163	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

AUDI A4 [8EC, B7] - A4 2.0 TDI quattro					
Year	Engine	Liters	HP	System	Functions
2006/06 - 2008/06	BVA	2.0	163	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

AUDI A4 [8ED, B7] Avant - A4 2.0 TDI Avant					
Year	Engine	Liters	HP	System	Functions
2006/06 - 2008/06	BVA	2.0	163	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

AUDI A4 [8ED, B7] Avant - A4 2.0 TDI Avant quattro					
Year	Engine	Liters	HP	System	Functions
2006/06 - 2008/06	BVA	2.0	163	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

**AUDI A6 [4F2, C6] - A6 2.7 TDI**

Year	Engine	Liters	HP	System	Functions
2008/10 - 2009/05	CANB	2.7	163	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2008/10	CANA	2.7	190	Engine control	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b></li> </ul>

-				Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2009/08	CAN	2.7	190	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

**AUDI A6 [4F2, C6] - A6 3.0 TDI quattro**

Year	Engine	Liters	HP	System	Functions
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2008/10 -	CDYA	3.0	239	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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<b>AUDI</b>	<b>A6 [4F2, C6] - A6 2.7 TDI quattro</b>
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Year	Engine	Liters	HP	System	Functions
2008/10 -	CAND	2.7	163	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> </ul> </li> </ul>

- Eng. torque limit (smoke limitation)
- Exhaust gas recirculation Position Actual Value
- Exhaust gas recirculation Position Target Value
- Rail pressure control valve
- Charge pressure actuator feedback
- Swirl flap actuator 1, actuation
- Swirl flap actuator 1, feedback
- Swirl flap actuator 2 actuation
- Swirl flap actuator 2, feedback
- Engine start: start synchronisation
- Transmission mounting 1
- Transmission mounting 2
- ACC: Torque requested
- DPF impact limit, overloaded
- DPF impact limit Self-regeneration
- DPF impact limit Service regeneration
- DPF differential pressure sensor offset
- No.of learning operations NMK 25 MPa
- No.of learning operations NMK 80 MPa
- No.of learnng. operations NMK 120 MPa
- Lambda sensor (B1, S1) pump voltage

**AUDI A6 [4F5, C6] Avant - A6 2.7 TDI Avant**

Year	Engine	Liters	HP	System	Functions
2008/10 - 2009/05	CANB	2.7	163	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> </ul>

2008/10 -	CANA	2.7	190	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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**AUDI A6 [4F5, C6] Avant - A6 2.7 TDI Avant quattro**

Year	Engine	Liters	HP	System	Functions
2008/10 -	CAND	2.7	163	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> </ul> </li> </ul>



- Exhaust gas recirculation Position Actual Value
- Exhaust gas recirculation Position Target Value
- Rail pressure control valve
- Charge pressure actuator feedback
- Swirl flap actuator 1, actuation
- Swirl flap actuator 1, feedback
- Swirl flap actuator 2 actuation
- Swirl flap actuator 2, feedback
- Engine start: start synchronisation
- Transmission mounting 1
- Transmission mounting 2
- ACC: Torque requested
- DPF impact limit, overloaded
- DPF impact limit Self-regeneration
- DPF impact limit Service regeneration
- DPF differential pressure sensor offset
- No.of learning operations NMK 25 MPa
- No.of learning operations NMK 80 MPa
- No.of learnng. operations NMK 120 MPa
- Lambda sensor (B1, S1) pump voltage

AUDI A6 [4F5, C6] Avant - A6 3.0 TDI Avant quattro					
Year	Engine	Liters	HP	System	Functions
2008/10 -	CDYA	3.0	239	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

## AUDI

## A6 [4FH, C6] Avant Allroad - A6 2.7 TDI Avant Allroad

Year	Engine	Liters	HP	System	Functions
2008/10 - 2011/08	CAND	2.7	163	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

## AUDI

## A6 [4FH, C6] Avant Allroad - A6 3.0 TDI Avant Allroad

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> </ul> </li> </ul>

2008/10 - 2011/08	CDYA	3.0	239	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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**AUDI** **TT [8J3] Coupe - TT 2.0 TDI Coupe quattro**

Year	Engine	Liters	HP	System	Functions
2008/06 - 2010/06	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> </ul> </li> </ul>

- No.of learnng. operations NMK 120 MPa
- Lambda sensor (B1, S1) pump voltage

AUDI					
TT [8J9] Roadster - TT 2.0 TDI Roadster quattro					
Year	Engine	Liters	HP	System	Functions
2008/06 - 2010/06	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

[1 \[E 81\] - 123 d](#)  
[1 \[E 81\] - 116 i](#)  
[1 \[E 81\] - 116 d](#)  
[1 \[E 81\] - 130 i](#)  
[1 \[E 82\] Coupe - 125 i Coupe](#)  
[1 \[E 82\] Coupe - 118 d Coupe](#)  
[1 \[E 82\] Coupe - 120 i Coupe](#)  
[1 \[E 82\] Coupe - 135 i Coupe](#)  
[1 \[E 82\] Coupe - M Coupe](#)  
[1 \[E 87\] - 116 i](#)  
[1 \[E 87\] - 120 i](#)  
[1 \[E 87\] - 118 d](#)  
[1 \[E 87\] - 120 d](#)  
[1 \[E 87\] - 118 i](#)  
[1 \[E 87\] - 130 i](#)  
[1 \[E 87\] - 123 d](#)  
[1 \[E 87\] - 116 d](#)  
[1 \[E 88\] Cabrio - 118 d Cabrio](#)  
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[3 \[E 90\] - 320 i](#)  
[3 \[E 90\] - 325 i](#)  
[3 \[E 90\] - 330 i](#)  
[3 \[E 90\] - 316 i](#)  
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[3 \[E 90\] - 318 i](#)  
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[3 \[E 90\] - 325 xi](#)  
[3 \[E 90\] - 330 d](#)  
[3 \[E 90\] - 330 xi](#)  
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[3 \[E 90\] - 328 xi](#)  
[3 \[E 90\] - 335 d](#)  
[3 \[E 90\] - M 3](#)  
[3 \[E 90\] - 320 d xDrive](#)  
[3 \[E 90\] - 330 d xDrive](#)  
[3 \[E 90\] - 325 i xDrive](#)  
[3 \[E 90\] - 330 i xDrive](#)  
[3 \[E 90\] - 335 i xDrive](#)  
[3 \[E 90\] - 316 d](#)  
[3 \[E 91\] Touring - 320 d Touring](#)  
[3 \[E 91\] Touring - 320 i Touring](#)  
[3 \[E 91\] Touring - 323 i Touring](#)  
[3 \[E 91\] Touring - 325 i Touring](#)  
[3 \[E 91\] Touring - 330 i Touring](#)  
[3 \[E 91\] Touring - 330 d Touring](#)  
[3 \[E 91\] Touring - 325 xi Touring](#)

[3 \[E 91\] Touring - 330 xd Touring](#)  
[3 \[E 91\] Touring - 330 xi Touring](#)  
[3 \[E 91\] Touring - 318 d Touring](#)  
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[3 \[E 91\] Touring - 335 xi Touring](#)  
[3 \[E 91\] Touring - 316 i Touring](#)  
[3 \[E 91\] Touring - 320 d Touring xDrive](#)  
[3 \[E 91\] Touring - 330 d Touring xDrive](#)  
[3 \[E 91\] Touring - 325 i Touring xDrive](#)  
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[3 \[E 92\] Coupe - 325 i Coupe](#)  
[3 \[E 92\] Coupe - 325 xi Coupe](#)  
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[3 \[E 92\] Coupe - 330 d Coupe](#)  
[3 \[E 92\] Coupe - 330 xd Coupe](#)  
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[3 \[E 92\] Coupe - 328 i Coupe](#)  
[3 \[E 92\] Coupe - 328 xi Coupe](#)  
[3 \[E 92\] Coupe - M 3 Coupe](#)  
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[3 \[E 92\] Coupe - 330 d Coupe xDrive](#)  
[3 \[E 92\] Coupe - 325 i Coupe xDrive](#)  
[3 \[E 92\] Coupe - 330 i Coupe xDrive](#)  
[3 \[E 92\] Coupe - 335 i Coupe xDrive](#)  
[3 \[E 93\] Cabrio - 330 d Cabrio](#)  
[3 \[E 93\] Cabrio - 335 i Cabrio](#)  
[3 \[E 93\] Cabrio - 320 i Cabrio](#)  
[3 \[E 93\] Cabrio - 325 i Cabrio](#)  
[3 \[E 93\] Cabrio - 330 i Cabrio](#)  
[3 \[E 93\] Cabrio - 328 i Cabrio](#)  
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[3 \[E 93\] Cabrio - 320 d Cabrio](#)  
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[3 \[E 93\] Cabrio - 318 i Cabrio](#)  
[3 \[E 93\] Cabrio - 335 is Cabrio](#)  
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[5 \[E 39\] - 523 i](#)  
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[5 \[E 39\] - 525 td](#)  
[5 \[E 39\] - 540 i](#)

[5 \[E 39\] - 535 i](#)  
[5 \[E 39\] - 525 tds](#)  
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[5 \[E 39\] - 525 d](#)  
[5 \[E 39\] - 530 i](#)  
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[5 \[E 39\] Touring - 523 i Touring](#)  
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[5 \[E 39\] Touring - 525 i Touring](#)  
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[5 \[E 60\] - M 5](#)  
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[5 \[E 60\] - 525 Li](#)  
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[5 \[E 61\] Touring - 530 xd Touring](#)

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[5 \[E 61\] Touring - 525 xd Touring](#)  
[5 \[E 61\] Touring - 535 xi Touring](#)  
[5 \[E 61\] Touring - M 5 Touring](#)  
[6 \[E 63\] - 645 Ci](#)  
[6 \[E 63\] - 630 i](#)  
[6 \[E 63\] - M 6](#)  
[6 \[E 63\] - 650 i](#)  
[6 \[E 63\] - 635 d](#)  
[6 \[E 64\] Cabrio - 645 Ci Cabrio](#)  
[6 \[E 64\] Cabrio - 630 i Cabrio](#)  
[6 \[E 64\] Cabrio - 650 i Cabrio](#)  
[6 \[E 64\] Cabrio - M 6 Cabrio](#)  
[6 \[E 64\] Cabrio - 635 d Cabrio](#)  
[7 \[E 65\] - 735 i](#)  
[7 \[E 65\] - 745 i](#)  
[7 \[E 65\] - 730 d](#)  
[7 \[E 65\] - 740 d](#)  
[7 \[E 65\] - 760 i](#)  
[7 \[E 65\] - 730 i](#)  
[7 \[E 65\] - 740 i](#)  
[7 \[E 65\] - 745 d](#)  
[7 \[E 65\] - 750 i](#)  
[7 \[E 66\] - 745 Li](#)  
[7 \[E 66\] - 735 Li](#)  
[7 \[E 66\] - 760 Li](#)  
[7 \[E 66\] - 730 Li](#)  
[7 \[E 66\] - 740 Li](#)  
[7 \[E 66\] - 750 Li](#)  
[7 \[E 66\] - 730 Ld](#)  
[X 5 \[E 70\] - X 5 xDrive 30 d](#)  
[X 5 \[E 70\] - X 5 xDrive 50 i](#)  
[X 5 \[E 70\] - X 5 xDrive 35d](#)  
[X 5 \[E 70\] - X 5 M 50 d](#)  
[X 6 \[E 71\] - X 6 xDrive 30 d](#)  
[X 6 \[E 71\] - X 6 M 50 d](#)



Year	Engine	Liters	HP	System	Functions
2007/09 - 2011/12	N47 D20...	2.0	204	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
2007/09 - 2011/11	N43 B16A	1.6	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/09 - 2011/12	N45 B16A	1.6	116	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

2009/03 - 2011/12	N43 B20A	2.0	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW						1 [E 81] - 116 d					
Year	Engine	Liters	HP	System		Functions					
2009/03 - 2011/12	N47 D20...	2.0	90 - 116	Instrument cluster Instrument cluster 2.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>					

BMW						1 [E 81] - 130 i					
Year	Engine	Liters	HP	System		Functions					
2009/09 - 2011/12	N52 B30...	3.0	258	Instrument cluster Instrument cluster 2.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>					

**BMW 1 [E 82] Coupe - 125 i Coupe**

Year	Engine	Liters	HP	System	Functions
2008/03 -	N52 B30...	3.0	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 1 [E 82] Coupe - 118 d Coupe**

Year	Engine	Liters	HP	System	Functions
2009/09 -	N47 D20C	2.0	136 - 143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 1 [E 82] Coupe - 120 i Coupe**

Year	Engine	Liters	HP	System	Functions
2009/09 -	N43 B20A	2.0	170	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> </ul> </li> </ul>

- Self test
- Fuel level display
- Speed indicator

BMW 1 [E 82] Coupe - 135 i Coupe					
Year	Engine	Liters	HP	System	Functions
2010/03 -	N55 B30A	3.0	306 - 326	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 1 [E 82] Coupe - M Coupe					
Year	Engine	Liters	HP	System	Functions
2011/04 -	N54 B30A	3.0	340	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 1 [E 87] - 116 i					
Year	Engine	Liters	HP	System	Functions
2004/09 - 2011/06	N45 B16A	1.6	116	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
2007/09 - 2011/06	N43 B16A	1.6	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
2009/03 - 2011/06	N43 B20A	2.0	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>

<b>BMW</b>	<b>1 [E 87] - 120 i</b>
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Year	Engine	Liters	HP	System	Functions
2004/09 - 2007/03	N46 B20...	2.0	150	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> </ul>

					<ul style="list-style-type: none"> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
2007/03 - 2011/06	N43 B20A	2.0	163 - 170	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 1 [E 87] - 118 d					
Year	Engine	Liters	HP	System	Functions
2004/09 - 2007/03	20 4D 4	2.0	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/03 - 2011/06	N47 D20...	2.0	136 - 143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
2004/09 - 2007/03	20 4D 4	2.0	163	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/03 - 2011/06	N47 D20...	2.0	163 - 177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
2004/11 - 2007/03	N46 B20B	2.0	129	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

2007/03 - 2011/06	N43 B20A	2.0	136 - 143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW						1 [E 87] - 130 i					
Year	Engine	Liters	HP	System		Functions					
2005/09 - 2009/08	N52 B30...	3.0	265	Instrument cluster Instrument cluster 2.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>					
2009/09 - 2011/06	N52 B30...	3.0	258	Instrument cluster Instrument cluster 2.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>					

BMW						1 [E 87] - 123 d					
Year	Engine	Liters	HP	System		Functions					
						<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>					



2007/09 - 2011/06	N47 D20...	2.0	204	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW						1 [E 87] - 116 d					
Year	Engine	Liters	HP	System		Functions					
2009/03 - 2011/06	N47 D20...	2.0	90 - 116	Instrument cluster Instrument cluster 2.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>					

BMW						1 [E 88] Cabrio - 118 d Cabrio					
Year	Engine	Liters	HP	System		Functions					
2008/09 -	N47 D20...	2.0	136 - 143	Instrument cluster Instrument cluster 2.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>					

Year	Engine	Liters	HP	System	Functions
2005/03 - 2007/09	20 4D 4	2.0	163	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2005/09 - 2007/09	20 4D 4	2.0	150	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/09 - 2010/03	N47 D20...	2.0	177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> </ul> </li> </ul>

2010/03 - 2011/12	N47 D20C	2.0	163 - 184	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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**BMW** **3 [E 90] - 320 i**

Year	Engine	Liters	HP	System	Functions
2005/03 - 2011/12	N46 B20...	2.0	150 - 156	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2005/03 -	N46 B20	2.0	150	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/09 -	N43 B20A	2.0	163 - 170	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> </ul> </li> </ul>

2011/12						<ul style="list-style-type: none"> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
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**BMW 3 [E 90] - 325 i**

Year	Engine	Liters	HP	System	Functions
2005/03 - 2011/12	N52 B25...	2.5	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
2007/09 - 2011/12	N53 B30A	3.0	211 - 218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
2005/09 - 2006/08	N52 B30A	3.0	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b></li> </ul>

					<ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
2004/07 -	N52B25BF	2.5	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW						3 [E 90] - 330 i					
Year	Engine	Liters	HP	System	Functions						
2005/03 - 2011/12	N52 B30...	3.0	258 - 272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>						
2007/09 - 2011/10	N53 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>						

## BMW

## 3 [E 90] - 316 i

Year	Engine	Liters	HP	System	Functions
2005/09 - 2011/10	N45 B16A	1.6	116	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/09 - 2011/10	N43 B16A	1.6	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

## BMW

## 3 [E 90] - 318 d

Year	Engine	Liters	HP	System	Functions
2005/09 - 2007/09	20 4D 4	2.0	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

2007/09 - 2011/10	N47 D20...	2.0	136 - 143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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**BMW** **3 [E 90] - 318 i**

Year	Engine	Liters	HP	System	Functions
2005/09 - 2011/10	N46 B20...	2.0	129 - 136	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/09 - 2011/10	N43 B20A	2.0	136 - 143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> </ul> </li> </ul>

2009/02 -	N46B20CC	2.0	156	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW 3 [E 90] - 323 i					
Year	Engine	Liters	HP	System	Functions
2005/09 - 2011/12	N52 B25...	2.5	177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 90] - 325 xi					
Year	Engine	Liters	HP	System	Functions
2005/09 - 2008/08	N52 B25A	2.5	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 90] - 330 d					
Year	Engine	Liters	HP	System	Functions



2005/09 - 2008/08	30 6D 3	3.0	231	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2008/09 - 2011/12	N57 D30A	3.0	245	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 90] - 330 xi**

Year	Engine	Liters	HP	System	Functions
2005/09 - 2007/09	N52 B30A	3.0	258	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 90] - 330 xd**

Year	Engine	Liters	HP	System	Functions

2005/09 - 2008/08	30 6D 3	3.0	231	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW 3 [E 90] - 320 si					
Year	Engine	Liters	HP	System	Functions
2006/03 - 2006/09	N45 B20A	2.0	173	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 90] - 335 i					
Year	Engine	Liters	HP	System	Functions
2006/09 - 2010/03	N54 B30A	3.0	306	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 90] - 325 d**

Year	Engine	Liters	HP	System	Functions
2006/09 - 2010/02	30 6D 3	3.0	197	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 90] - 328 i**

Year	Engine	Liters	HP	System	Functions
2006/09 - 2011/12	N51 B30A	3.0	231 - 234	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 90] - 328 xi**

Year	Engine	Liters	HP	System	Functions
2006/09 - 2008/08	N51 B30A	3.0	234	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> </ul>

- **Actuators**
- Rotational speed sensor
- Self test
- Fuel level display
- Speed indicator

BMW 3 [E 90] - 335 d					
Year	Engine	Liters	HP	System	Functions
2006/09 - 2011/10	30 6D 5	3.0	286	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 90] - M 3					
Year	Engine	Liters	HP	System	Functions
2007/11 - 2011/10	S65 B40A	4.0	420	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 90] - 320 d xDrive					
Year	Engine	Liters	HP	System	Functions
2008/09			163 -	Instrument cluster	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> </ul>

- 2010/02	N47 D20C	2.0	177	Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
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BMW 3 [E 90] - 330 d xDrive					
Year	Engine	Liters	HP	System	Functions
2008/09 - 2011/10	N57 D30A	3.0	245	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>

BMW 3 [E 90] - 325 i xDrive					
Year	Engine	Liters	HP	System	Functions
2008/09 - 2011/10	N53 B30A	3.0	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>

BMW 3 [E 90] - 330 i xDrive					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> </ul> </li> </ul>

2008/09 - 2011/10	N53 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW 3 [E 90] - 335 i xDrive					
Year	Engine	Liters	HP	System	Functions
2008/09 - 2010/02	N54 B30A	3.0	306	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 90] - 316 d					
Year	Engine	Liters	HP	System	Functions
2009/09 - 2011/10	N47 D20C	2.0	116	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 91] Touring - 320 d Touring					
Year	Engine	Liters	HP	System	Functions

2005/09 - 2007/08	20 4D 4	2.0	163	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/09 - 2010/02	N47 D20...	2.0	177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW**

**3 [E 91] Touring - 320 i Touring**

Year	Engine	Liters	HP	System	Functions
2005/09 - 2012/05	N46 B20...	2.0	150 - 156	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> </ul> </li> </ul>

2007/09 - 2012/06	N43 B20A	2.0	163 - 170	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW 3 [E 91] Touring - 323 i Touring					
Year	Engine	Liters	HP	System	Functions
2005/09 - 2012/05	N52 B25A	2.5	177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 91] Touring - 325 i Touring					
Year	Engine	Liters	HP	System	Functions
2005/09 -	N52 B25...	2.5	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> </ul> </li> </ul>



2007/09 - 2012/05	N53 B30A	3.0	211 - 218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
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**BMW 3 [E 91] Touring - 330 i Touring**

Year	Engine	Liters	HP	System	Functions
2005/09 -	N52 B30A	3.0	258 - 272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
2007/09 -	N53 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>

**BMW 3 [E 91] Touring - 330 d Touring**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> </ul>

2005/09 - 2008/08	30 6D 3	3.0	231	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
2008/09 - 2012/06	N57 D30A	3.0	245	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>

**BMW 3 [E 91] Touring - 325 xi Touring**

Year	Engine	Liters	HP	System	Functions
2005/09 - 2008/08	N52 B25A	2.5	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
2005/09				Instrument cluster	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul>

- 2006/08	N52 B30A	3.0	218	Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
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**BMW 3 [E 91] Touring - 330 xd Touring**

Year	Engine	Liters	HP	System	Functions
2005/09 - 2008/08	30 6D 3	3.0	231	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>

**BMW 3 [E 91] Touring - 330 xi Touring**

Year	Engine	Liters	HP	System	Functions
2005/09 - 2007/09	N52 B30A	3.0	258	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>

**BMW 3 [E 91] Touring - 318 d Touring**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> </ul>

2006/03 - 2007/09	20 4D 4	2.0	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/09 -	N47 D20...	2.0	136 - 143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 91] Touring - 318 i Touring**

Year	Engine	Liters	HP	System	Functions
2006/03 - 2010/03	N46 B20B	2.0	129 - 136	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/09			136 -	Instrument cluster	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> </ul>

-	N43 B20A	2.0	143	Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
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BMW 3 [E 91] Touring - 335 i Touring					
Year	Engine	Liters	HP	System	Functions
2006/09 - 2010/02	N54 B30A	3.0	306	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>

BMW 3 [E 91] Touring - 325 d Touring					
Year	Engine	Liters	HP	System	Functions
2006/09 - 2010/02	30 6D 3	3.0	197	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>

BMW 3 [E 91] Touring - 335 d Touring					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> </ul> </li> </ul>

2006/09 -	30 6D 5	3.0	286	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW 3 [E 91] Touring - 328 i Touring					
Year	Engine	Liters	HP	System	Functions
2006/09 -	N52 B30A	3.0	234	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 91] Touring - 328 xi Touring					
Year	Engine	Liters	HP	System	Functions
2006/09 - 2008/08	N52 B30A	3.0	234	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 91] Touring - 335 xi Touring					
Year	Engine	Liters	HP	System	Functions

2007/03 - 2008/08	N54 B30A	3.0	306	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW 3 [E 91] Touring - 316 i Touring					
Year	Engine	Liters	HP	System	Functions
2008/09 -	N43 B16A	1.6	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 91] Touring - 320 d Touring xDrive					
Year	Engine	Liters	HP	System	Functions
2008/09 - 2010/02	N47 D20C	2.0	163 - 177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 91] Touring - 330 d Touring xDrive**

Year	Engine	Liters	HP	System	Functions
2008/09 -	N57 D30A	3.0	245	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 91] Touring - 325 i Touring xDrive**

Year	Engine	Liters	HP	System	Functions
2008/09 -	N52 B25A	2.5	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 91] Touring - 330 i Touring xDrive**

Year	Engine	Liters	HP	System	Functions
2008/09 -	N53 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> </ul>



- **Actuators**
- Rotational speed sensor
- Self test
- Fuel level display
- Speed indicator

**BMW 3 [E 91] Touring - 335 i Touring xDrive**

Year	Engine	Liters	HP	System	Functions
2008/09 - 2010/02	N54 B30A	3.0	306	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 91] Touring - 320 d ed Touring**

Year	Engine	Liters	HP	System	Functions
2011/03 -	N47 D20C	2.0	163	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 92] Coupe - 325 i Coupe**

Year	Engine	Liters	HP	System	Functions
2006/09				Instrument cluster	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> </ul>

-	N52 B25...	2.5	218	Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/09 -	N53 B30A	3.0	211 - 218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 325 xi Coupe					
Year	Engine	Liters	HP	System	Functions
2006/09 - 2008/08	N52 B25A	2.5	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 330 i Coupe					
Year	Engine	Liters	HP	System	Functions
2006/09 -	N52 B30...	3.0	272	Instrument cluster	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> </ul>

2012/08				Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/09 -	N53 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 330 xi Coupe					
Year	Engine	Liters	HP	System	Functions
2006/09 - 2007/09	N52 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 330 d Coupe					
Year	Engine	Liters	HP	System	Functions
2006/09 -	30 6D 3	3.0	231	Instrument cluster	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> </ul>

2008/08				Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2008/09 -	N57 D30A	3.0	245	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 330 xd Coupe					
Year	Engine	Liters	HP	System	Functions
2006/09 - 2008/08	30 6D 3	3.0	231	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 335 d Coupe					
Year	Engine	Liters	HP	System	Functions
2006/09	30 6D 5	3.0	286	Instrument cluster	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> </ul>

-				Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
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BMW 3 [E 92] Coupe - 323 i Coupe					
Year	Engine	Liters	HP	System	Functions
2006/09 - 2012/02	N52 B25A	2.5	177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 328 i Coupe					
Year	Engine	Liters	HP	System	Functions
2006/09 -	N51 B30A	3.0	234	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> </ul> </li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 328 xi Coupe					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> </ul> </li> </ul>

2006/09 - 2008/08	N51 B30A	3.0	234	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW 3 [E 92] Coupe - M 3 Coupe					
Year	Engine	Liters	HP	System	Functions
2007/05 -	S65 B40A	4.0	420	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 320 d Coupe					
Year	Engine	Liters	HP	System	Functions
2007/03 - 2010/02	N47 D20...	2.0	177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 316 i Coupe					
Year	Engine	Liters	HP	System	Functions

2007/09 -	N43 B16A	1.6	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
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BMW 3 [E 92] Coupe - 320 d Coupe xDrive					
Year	Engine	Liters	HP	System	Functions
2008/09 - 2010/02	N47 D20C	2.0	177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 92] Coupe - 330 d Coupe xDrive					
Year	Engine	Liters	HP	System	Functions
2008/09 -	N57 D30A	3.0	245	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 92] Coupe - 325 i Coupe xDrive**

Year	Engine	Liters	HP	System	Functions
2008/09 -	N52 B25A	2.5	218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 92] Coupe - 330 i Coupe xDrive**

Year	Engine	Liters	HP	System	Functions
2008/09 -	N53 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 92] Coupe - 335 i Coupe xDrive**

Year	Engine	Liters	HP	System	Functions
2008/09 - 2010/02	N54 B30A	3.0	306	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> </ul>



- **Actuators**
- Rotational speed sensor
- Self test
- Fuel level display
- Speed indicator

**BMW 3 [E 93] Cabrio - 330 d Cabrio**

Year	Engine	Liters	HP	System	Functions
2007/03 - 2009/02	30 6D 3	3.0	231	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2009/03 -	N57 D30A	3.0	245	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 93] Cabrio - 335 i Cabrio**

Year	Engine	Liters	HP	System	Functions
2007/03 - 2010/02	N54 B30A	3.0	306	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>
2010/03 -	N55 B30A	3.0	306 - 326	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>

BMW						3 [E 93] Cabrio - 320 i Cabrio					
Year	Engine	Liters	HP	System		Functions					
2007/03 -	N43 B20A	2.0	163 - 170	Instrument cluster Instrument cluster 2.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> <li>• <b>Actuators</b></li> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul>					

BMW						3 [E 93] Cabrio - 325 i Cabrio					
Year	Engine	Liters	HP	System		Functions					
2007/03 -	N53 B30A	3.0	211 - 218	Instrument cluster Instrument cluster 2.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul>					

- **Actuators**
- Rotational speed sensor
- Self test
- Fuel level display
- Speed indicator

**BMW 3 [E 93] Cabrio - 330 i Cabrio**

Year	Engine	Liters	HP	System	Functions
2007/03 -	N53 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2007/03 - 2013/01	N52 B30...	3.0	258 - 272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW 3 [E 93] Cabrio - 328 i Cabrio**

Year	Engine	Liters	HP	System	Functions
2006/09 -	N51 B30A	3.0	231 - 234	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> </ul>

- **Actuators**
- Rotational speed sensor
- Self test
- Fuel level display
- Speed indicator

BMW 3 [E 93] Cabrio - 323 i Cabrio					
Year	Engine	Liters	HP	System	Functions
2007/09 - 2012/04	N52 B25A	2.5	177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 93] Cabrio - 325 d Cabrio					
Year	Engine	Liters	HP	System	Functions
2007/09 - 2010/02	30 6D 3	3.0	197	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2010/03 -	N57 D30A	3.0	204	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> </ul>

- **Actuators**
- Rotational speed sensor
- Self test
- Fuel level display
- Speed indicator

BMW 3 [E 93] Cabrio - 320 d Cabrio					
Year	Engine	Liters	HP	System	Functions
2008/03 - 2010/02	N47 D20...	2.0	177	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>
2010/03 -	N47 D20C	2.0	163 - 184	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 93] Cabrio - M 3 Cabrio					
Year	Engine	Liters	HP	System	Functions
2008/03 -	S65 B40A	4.0	420	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> </ul>

- **Actuators**
- Rotational speed sensor
- Self test
- Fuel level display
- Speed indicator

BMW 3 [E 93] Cabrio - 318 i Cabrio					
Year	Engine	Liters	HP	System	Functions
2010/03 -	N43 B20A	2.0	143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 3 [E 93] Cabrio - 335 is Cabrio					
Year	Engine	Liters	HP	System	Functions
2010/09 -	N54 B30A	3.0	320	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW 5 [E 39] - 520 i					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> </ul> </li> </ul>

1995/09 - 2003/06	20 6S 3/4	2.0	136 - 150	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul>
2000/09 - 2003/07	22 6S 1	2.2	163 - 170	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>

BMW

5 [E 39] - 523 i

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> </ul> </li> </ul>

1995/09 - 2000/09	25 6S 3/4	2.5	170	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul>
1998/09 - 2000/08	25 6S 4	2.5	170	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>
1997/03 - 1998/09	24 6S 2	2.4	190	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul>
1999/03 - 2002/12	24 6S 3	2.4	184	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>

**BMW** **5 [E 39] - 528 i**

Year	Engine	Liters	HP	System	Functions
1995/09 - 2012/11	28 6S 1/2	2.8	193	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul>
1996/06 - 1998/09	28 6S 1	2.8	193	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>
1998/09 - 2000/01	28 6S 2	2.8	193	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> </ul> </li> </ul>

- Front right tire overheating
- Rear left tire overheating
- Rear right tire overheating
- Individual wheel recognition

BMW						5 [E 39] - 525 td	
Year	Engine	Liters	HP	System	Functions		
1997/01 - 2000/09	25 6T 1	2.5	116	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>		

BMW						5 [E 39] - 540 i	
Year	Engine	Liters	HP	System	Functions		
1996/01 - 2003/07	44 8S 1/2	4.4	286	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> </ul> </li> </ul>		

- Number of pressure tests, rear right
- Number of temporary failures, rear right
- Front left tire overheating
- Front right tire overheating
- Rear left tire overheating
- Rear right tire overheating
- Individual wheel recognition

BMW						5 [E 39] - 535 i					
Year	Engine	Liters	HP	System		Functions					
1996/01 - 2003/07	35 8S 1/2	3.5	235 - 245	Tire control system Tire pressure monitor 1.2		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>					

BMW						5 [E 39] - 525 tds					
Year	Engine	Liters	HP	System		Functions					
1996/01 - 2000/09	25 6T 1	2.5	143	Tire control system Tire pressure monitor 1.2		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> </ul> </li> </ul>					

- Number of pressure tests, rear left
- Number of temporary failures, rear left
- Number of puncture messages, rear right
- Number of pressure tests, rear right
- Number of temporary failures, rear right
- Front left tire overheating
- Front right tire overheating
- Rear left tire overheating
- Rear right tire overheating
- Individual wheel recognition

**BMW 5 [E 39] - M 5**

Year	Engine	Liters	HP	System	Functions
1998/10 - 2003/07	50 8S 1	5.0	400	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>
1999/01 - 2002/12	50 8S 1	5.0	400	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> </ul> </li> </ul>

- Number of puncture messages, rear right
- Number of pressure tests, rear right
- Number of temporary failures, rear right
- Front left tire overheating
- Front right tire overheating
- Rear left tire overheating
- Rear right tire overheating
- Individual wheel recognition

BMW						5 [E 39] - 530 d					
Year	Engine	Liters	HP	System		Functions					
1998/08 - 2003/07	30 6D 1	3.0	184 - 193	Tire control system Tire pressure monitor 1.2		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>					

BMW						5 [E 39] - 520 d					
Year	Engine	Liters	HP	System		Functions					
2000/04 - 2003/07	20 4D 1	2.0	136	Tire control system Tire pressure monitor 1.2		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> </ul> </li> </ul>					

- Number of puncture messages, rear left
- Number of pressure tests, rear left
- Number of temporary failures, rear left
- Number of puncture messages, rear right
- Number of pressure tests, rear right
- Number of temporary failures, rear right
- Front left tire overheating
- Front right tire overheating
- Rear left tire overheating
- Rear right tire overheating
- Individual wheel recognition

BMW						5 [E 39] - 525 d					
Year	Engine	Liters	HP	System		Functions					
2000/04 - 2003/07	25 6D 1	2.5	163	Tire control system Tire pressure monitor 1.2		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>					

BMW						5 [E 39] - 530 i					
Year	Engine	Liters	HP	System		Functions					
2000/09 - 2003/07	30 6S 3	3.0	231	Tire control system Tire pressure monitor 1.2		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> </ul> </li> </ul>					

- Number of puncture messages, front right
- Number of pressure tests, front right
- Number of temporary failures, front right
- Number of puncture messages, rear left
- Number of pressure tests, rear left
- Number of temporary failures, rear left
- Number of puncture messages, rear right
- Number of pressure tests, rear right
- Number of temporary failures, rear right
- Front left tire overheating
- Front right tire overheating
- Rear left tire overheating
- Rear right tire overheating
- Individual wheel recognition

**BMW 5 [E 39] Touring - 528 i Touring**

Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/09	28 6S 1/2	2.8	193	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>

**BMW 5 [E 39] Touring - 520 i Touring**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> </ul> </li> </ul>



1996/12 - 2001/12	20 6S 3/4	2.0	136 - 150	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul>
2000/09 - 2004/05	22 6S 1	2.2	163 - 170	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>

**BMW** **5 [E 39] Touring - 523 i Touring**

Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/09	25 6S 3/4	2.5	170	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> </ul> </li> </ul>

- Number of temporary failures, front left
- Number of puncture messages, front right
- Number of pressure tests, front right
- Number of temporary failures, front right
- Number of puncture messages, rear left
- Number of pressure tests, rear left
- Number of temporary failures, rear left
- Number of puncture messages, rear right
- Number of pressure tests, rear right
- Number of temporary failures, rear right
- Front left tire overheating
- Front right tire overheating
- Rear left tire overheating
- Rear right tire overheating
- Individual wheel recognition

**BMW 5 [E 39] Touring - 525 tds Touring**

Year	Engine	Liters	HP	System	Functions
1997/03 - 2000/09	25 6T 1	2.5	143	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>

**BMW 5 [E 39] Touring - 540 i Touring**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> </ul> </li> </ul>

1997/03 - 2004/05	44 8S 1/2	4.4	286	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul>
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BMW 5 [E 39] Touring - 530 d Touring					
Year	Engine	Liters	HP	System	Functions
1998/08 - 2004/05	30 6D 1	3.0	184 - 193	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>

BMW 5 [E 39] Touring - 520 d Touring					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> </ul> </li> </ul>

2000/04 - 2003/07	20 4D 1	2.0	136	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul>
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BMW 5 [E 39] Touring - 525 d Touring					
Year	Engine	Liters	HP	System	Functions
2000/04 - 2004/05	25 6D 1	2.5	163	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>

BMW 5 [E 39] Touring - 530 i Touring					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

2000/09 - 2004/05	30 6S 3	3.0	231	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul>
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BMW 5 [E 39] Touring - 525 i Touring					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2004/05	25 6S 5	2.5	192	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Tire pressure monitoring adaptation</li> <li>- Sensor query</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Battery, spare wheel pressure sensor</li> <li>- Tire pressure monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Number of puncture messages, front left</li> <li>- Number of pressure tests, front left</li> <li>- Number of temporary failures, front left</li> <li>- Number of puncture messages, front right</li> <li>- Number of pressure tests, front right</li> <li>- Number of temporary failures, front right</li> <li>- Number of puncture messages, rear left</li> <li>- Number of pressure tests, rear left</li> <li>- Number of temporary failures, rear left</li> <li>- Number of puncture messages, rear right</li> <li>- Number of pressure tests, rear right</li> <li>- Number of temporary failures, rear right</li> <li>- Front left tire overheating</li> <li>- Front right tire overheating</li> <li>- Rear left tire overheating</li> <li>- Rear right tire overheating</li> <li>- Individual wheel recognition</li> </ul> </li> </ul>

BMW 5 [E 60] - 545 i					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> </ul>

2003/09 - 2005/09	N62 B44A	4.4	333	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>5 [E 60] - 525 d</b>
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Year	Engine	Liters	HP	System	Functions
2004/05				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> </ul> </li> </ul>

- 2007/03	25 6D 2	2.5	177		<ul style="list-style-type: none"> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2004/12 - 2007/03	25 6D 2	2.5	163	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

2007/03 - 2010/02	30 6D 3	3.0	197	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>5 [E 60] - 530 i</b>
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Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> </ul> </li> </ul>



2003/10 - 2005/02	30 6S 3	3.0	231		<ul style="list-style-type: none"> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2005/03 - 2010/02	N52 B30...	3.0	258 - 272	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul>
2007/03 - 2010/02	N53 B30A	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW** 5 [E 60] - 535 d

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> </ul> </li> </ul>

2004/09 - 2007/03	30 6D 4	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2007/03 - 2010/02	30 6D 5	3.0	286	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> </ul> </li> </ul>

Parking brake  
ACC 2 version 1

- Radar object 1 relative speed
- Radar object 1 angular position
- Radar object 1 angle quality
- Radar object 2 distance
- Radar object 2 relative speed
- Radar object 2 angular position
- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

**BMW 5 [E 60] - M 5**

Year	Engine	Liters	HP	System	Functions
2004/11 - 2009/12	S85 B50A	5.0	507	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 5 [E 60] - 525 i**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

2005/03 - 2010/02	N52 B25...	2.5	218	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2004/02 - 2005/08	25 6S 5	2.5	192	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> </ul> </li> </ul>

				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>- Yaw rate sensor, offset</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2004/04	24 6S 4	2.5	192	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

2007/03 - 2010/02	N53 B30A	3.0	218	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW** **5 [E 60] - 523 i**

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> </ul> </li> </ul>

2005/03 - 2010/02	N52 B25...	2.5	177		<ul style="list-style-type: none"> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2007/03 - 2010/02	N53 B25A	2.5	190	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> </ul> </li> </ul>



- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

BMW					5 [E 60] - 530 d	
Year	Engine	Liters	HP	System	Functions	
2005/09 - 2007/03	30 6D 3	3.0	231	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>	
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>	
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> </ul> </li> </ul>	

2007/03 - 2010/02	30 6D 3	3.0	235		<ul style="list-style-type: none"> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>5 [E 60] - 520 i</b>
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Year	Engine	Liters	HP	System	Functions
2004/01 - 2005/02	22 6S 1	2.2	170	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul>
2007/09 - 2010/02	N43 B20A	2.0	163 - 170	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW** **5 [E 60] - 525 xi**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> </ul>
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2005/03 - 2007/03	N52 B25A	2.5	218	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2007/03 - 2008/08	N53 B30A	3.0	218	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
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<b>BMW</b>	<b>5 [E 60] - 530 xi</b>
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Year	Engine	Liters	HP	System	Functions
2005/03 - 2008/08	N52 B30A	3.0	258	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

2007/03 - 2008/08	N53 B30A	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>5 [E 60] - 520 d</b>
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Year	Engine	Liters	HP	System	Functions
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				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> </ul> </li> </ul>
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2005/09 - 2008/02	20 4D 4	2.0	163		<ul style="list-style-type: none"> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2005/09 - 2007/09	20 4D 4	2.0	150	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul>
2007/09 - 2010/02	N47 D20...	2.0	163 - 177	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> </ul> </li> </ul>



2008/07 - 2010/04	20 4D 4	2.0	177		<ul style="list-style-type: none"> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>5 [E 60] - 530 xd</b>
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Year	Engine	Liters	HP	System	Functions
2005/09 - 2007/03	30 6D 3	3.0	231	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul>
2007/03 - 2008/08	30 6D 3	3.0	235	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>5 [E 60] - 540 i</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> </ul> </li> </ul>

2005/09 - 2010/02	N62 B40A	4.0	306	Parking brake ACC 2	<ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 5 [E 60] - 550 i**

Year	Engine	Liters	HP	System	Functions
2005/09 - 2010/02	N62 B48B	4.8	367	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

Parking brake  
ACC 2 version 1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance
  - Radar object 2 relative speed
  - Radar object 2 angular position
  - Radar object 2 angle quality
  - Horizontal sensor misalignment
  - Horizontal misalignment plausibility
  - Sensor lens
  - Yaw rate sensor, offset

**BMW** 5 [E 60] - 523 Li

Year	Engine	Liters	HP	System	Functions
2006/03 - 2010/08	N52 B25...	2.5	177	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> </ul> </li> </ul>

- Yaw rate sensor, offset

BMW					5 [E 60] - 525 Li	
Year	Engine	Liters	HP	System	Functions	
2006/03 - 2010/04	N52 B25...	2.5	218	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>	
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>	

BMW					5 [E 60] - 530 Li	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> </ul> </li> </ul>	

2004/03 - 2010/05	N52 B30...	3.0	258	Parking brake ACC 2	<ul style="list-style-type: none"> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW** **5 [E 60] - 525 xd**

Year	Engine	Liters	HP	System	Functions
2007/09 - 2008/08	30 6D 3	3.0	197	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
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<b>BMW</b>	<b>5 [E 60] - 528 i</b>
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Year	Engine	Liters	HP	System	Functions
2007/03 - 2010/02	N52 B30A	3.0	233	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
2007/03 - 2008/08	N52 B30A	3.0	233	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> </ul> </li> </ul>



2007/03 - 2010/02	N54 B30A	3.0	306		<ul style="list-style-type: none"> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>5 [E 60] - 535 xi</b>
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Year	Engine	Liters	HP	System	Functions
2007/03 - 2008/08	N54 B30A	3.0	306	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

Parking brake  
ACC 2 version 1

- **Current values**
- Steering wheel angle offset
- Radar object 1 distance
- Radar object 1 relative speed
- Radar object 1 angular position
- Radar object 1 angle quality
- Radar object 2 distance
- Radar object 2 relative speed
- Radar object 2 angular position
- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

**BMW** **5 [E 60] - 520 Li**

Year	Engine	Liters	HP	System	Functions
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2009/03 - 2010/09	N46 B20CD	2.0	156	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
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				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> </ul> </li> </ul>
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2011/01 -	N52 B25AF	2.5	196	Parking brake ACC 2	<ul style="list-style-type: none"> <li>- ACC sensor adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 5 [E 61] Touring - 525 d Touring**

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> </ul> </li> </ul>

2004/05 - 2007/03	25 6D 2	2.5	177	<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2004/12 - 2007/03	25 6D 2	2.5	163	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> </ul> </li> </ul>

2007/03 - 2010/08	30 6D 3	3.0	197	Parking brake ACC 2	<ul style="list-style-type: none"> <li>- Yaw rate sensor, offset</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 5 [E 61] Touring - 530 d Touring**

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> </ul> </li> </ul>

2004/05 - 2005/09	30 6D 2	3.0	218		<ul style="list-style-type: none"> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2005/09 - 2007/03	30 6D 3	3.0	231	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul>
2007/03 - 2010/08	30 6D 3	3.0	235	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW**

**5 [E 61] Touring - 545 i Touring**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> </ul> </li> </ul>

2004/05 - 2005/09	N62 B44A	4.4	333	Parking brake ACC 2	<ul style="list-style-type: none"> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 5 [E 61] Touring - 535 d Touring**

Year	Engine	Liters	HP	System	Functions
2004/09 - 2007/03	30 6D 4	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> </ul> </li> </ul>



				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>- ACC sensor adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2007/03 - 2010/08	30 6D 5	3.0	286	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW** 5 [E 61] Touring - 523 i Touring

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>
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2005/03 - 2010/08	N52 B25...	2.5	177	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2007/03 - 2010/08	N53 B25A	2.5	190	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> </ul> </li> </ul>

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>- Yaw rate sensor, offset</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
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**BMW 5 [E 61] Touring - 525 i Touring**

Year	Engine	Liters	HP	System	Functions
2005/03 - 2010/08	N52 B25...	2.5	218	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul>
2007/03 - 2010/08	N53 B30A	3.0	218	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW** 5 [E 61] Touring - 530 i Touring

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> </ul> </li> </ul>

2005/03 - 2010/08	N52 B30...	3.0	258 - 272		<ul style="list-style-type: none"> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2007/03 - 2010/08	N53 B30A	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> </ul> </li> </ul>

- Radar object 2 distance
- Radar object 2 relative speed
- Radar object 2 angular position
- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

**BMW 5 [E 61] Touring - 525 xi Touring**

Year	Engine	Liters	HP	System	Functions
2005/03 - 2007/03	N52 B25A	2.5	218	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> </ul> </li> </ul>

2007/03 - 2008/08	N53 B30A	3.0	218	Parking brake ACC 2	<ul style="list-style-type: none"> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>5 [E 61] Touring - 530 xi Touring</b>
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Year	Engine	Liters	HP	System	Functions
2005/03 - 2008/08	N52 B30A	3.0	258 - 272	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2007/03 - 2008/08	N53 B30A	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW** **5 [E 61] Touring - 520 d Touring**

Year	Engine	Liters	HP	System	Functions
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2005/09 - 2008/02	20 4D 4	2.0	163	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2005/09 -	20 4D 4	2.0	150	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> </ul> </li> </ul>

2007/09				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
2007/09 - 2010/08	N47 D20...	2.0	163 - 177	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
2005/09 - 2007/03	30 6D 3	3.0	231	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> </ul> </li> </ul>

2007/03 - 2008/08	30 6D 3	3.0	235		<ul style="list-style-type: none"> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 5 [E 61] Touring - 550 i Touring**

Year	Engine	Liters	HP	System	Functions
2005/09 - 2010/08	N62 B48B	4.8	367	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> </ul> </li> </ul>

ACC 2 version 1

- Radar object 1 angular position
- Radar object 1 angle quality
- Radar object 2 distance
- Radar object 2 relative speed
- Radar object 2 angular position
- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

**BMW 5 [E 61] Touring - 520 i Touring**

Year	Engine	Liters	HP	System	Functions
2007/09 - 2010/08	N43 B20A	2.0	163 - 170	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 5 [E 61] Touring - 525 xd Touring**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>

2007/09 - 2008/08	30 6D 3	3.0	197	Parking brake ACC 2	<ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW** **5 [E 61] Touring - 535 xi Touring**

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> </ul> </li> </ul>

2007/03 - 2010/08	N54 B30A	3.0	306		<ul style="list-style-type: none"> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 5 [E 61] Touring - M 5 Touring**

Year	Engine	Liters	HP	System	Functions
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2007/03 - 2010/08	S85 B50A	5.0	507	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
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				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> </ul> </li> </ul>
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- Radar object 2 relative speed
- Radar object 2 angular position
- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

**BMW 6 [E 63] - 645 Ci**

Year	Engine	Liters	HP	System	Functions
2004/01 - 2005/09	N62 B44A	4.4	333	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 6 [E 63] - 630 i**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>



2004/09 - 2010/07	N52 B30...	3.0	258	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- ACC test</li> <li>- ACC sensor adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul>
2007/09 - 2010/07	N53 B30A	3.0	272	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- ACC test</li> <li>- ACC sensor adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

Parking brake  
ACC 2 version 1

- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance
  - Radar object 2 relative speed
  - Radar object 2 angular position
  - Radar object 2 angle quality
  - Horizontal sensor misalignment
  - Horizontal misalignment plausibility
  - Sensor lens
  - Yaw rate sensor, offset

**BMW** **6 [E 63] - M 6**

Year	Engine	Liters	HP	System	Functions
2005/03 - 2010/07	S85 B50A	5.0	507	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
2005/09 - 2010/07	N62 B48B	4.8	367	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> </ul> </li> </ul>

2007/09 - 2010/07	30 6D 5	3.0	286		<ul style="list-style-type: none"> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>6 [E 64] Cabrio - 645 Ci Cabrio</b>
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Year	Engine	Liters	HP	System	Functions
2004/04 - 2005/09	N62 B44A	4.4	333	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

Parking brake  
ACC 2 version 1

- **Current values**
- Steering wheel angle offset
- Radar object 1 distance
- Radar object 1 relative speed
- Radar object 1 angular position
- Radar object 1 angle quality
- Radar object 2 distance
- Radar object 2 relative speed
- Radar object 2 angular position
- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

**BMW 6 [E 64] Cabrio - 630 i Cabrio**

Year	Engine	Liters	HP	System	Functions
2004/09 - 2010/07	N52 B30...	3.0	258	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> </ul> </li> </ul>

2007/09 - 2010/07	N53 B30A	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> <li>- ACC sensor adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 6 [E 64] Cabrio - 650 i Cabrio**

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> </ul> </li> </ul>

2005/09 - 2010/07	N62 B48B	4.8	367		<ul style="list-style-type: none"> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>6 [E 64] Cabrio - M 6 Cabrio</b>
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Year	Engine	Liters	HP	System	Functions
2006/11 - 2010/07	S85 B50A	5.0	507	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> </ul> </li> </ul>

- Radar object 2 angular position
- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

**BMW 6 [E 64] Cabrio - 635 d Cabrio**

Year	Engine	Liters	HP	System	Functions
2007/09 - 2010/07	30 6D 5	3.0	286	Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

**BMW 7 [E 65] - 735 i**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> </ul> </li> </ul>



2001/11  
-  
2005/03

N62 B36A

3.6

272

Electrical energy management  
Battery management 2.2

- control unit temperature
- Rear window heating
- Battery charging status
- Alternator, current
- Interior lighting
- Terminal 15 output signal
- Door lock switch rear flap
- Fifth last battery replacement
- Mileage 1 day ago
- Mileage 2 days ago
- Mileage 3 days ago
- Mileage 4 days ago
- Mileage 5 days ago
- Mileage 6 days ago
- Charge status 1 day ago
- Charge status 2 days ago
- Charge status 3 days ago
- Charge status 4 days ago
- Charge status 5 days ago
- Charge status 6 days ago
- Sixth last battery replacement
- Seventh last battery replacement
- Heated rear window power input
- Interior lighting current input
- Current input, terminal 15
- Current input, terminal 30
- Current input, terminal R
- Roof load current input
- Body load, current input
- Load priority A
- Load priority B
- Time, charge status 0-10 %
- Time, charge status 10-20 %
- Time, charge status 20-30 %
- Time, charge status 30-40 %
- Time, charge status 40-50 %
- Time, charge status 50-60 %
- Time, charge status 60-70 %
- Time, charge status 70-80 %
- Time, charge status 80-90 %
- Time, charge status 90-100 %
- Current charge status
- Current mileage
- Battery isolation due to distribution mode
- Battery isolation due to diagnostic command
- Ignition starter switch status
- Alternator voltage specification
- Battery isolation due to jeopardizing starting operation
- Roof load output
- Body load output
- Terminal 30 output signal
- Terminal R output signal
- Battery switch 1
- Battery switch 2
- Number of battery isolations
- Battery isolation due to high no-load current
- Total battery charging current
- Rear lid power latching position sensor
- Rear lid unlocking drive
- Rear lid power latching system drive
- Battery isolation due to short circuit
- Light module power input
- Light module output
- Battery isolation due to over-current, terminal 15
- Battery temperature
- Passenger compartment illumination key button front
- Terminal 15 / Wake up
- Last battery replacement
- Last but one battery replacement
- Third last battery replacement
- Fourth last battery replacement
- Battery discharge current
- Rear lid actuation button

- **Actuators**
- Fuel tank cap locking
- Trunk unlocking
- Interior lighting
- Rear window heating
- Roof load off
- Roof load on
- Body load off
- Body load on

**BMW** **7 [E 65] - 745 i**

Year	Engine	Liters	HP	System	Functions
2001/11 - 2005/03	N62 B44A	4.4	333	Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> </ul> </li> </ul>

- Terminal R output signal
- Battery switch 1
- Battery switch 2
- Number of battery isolations
- Battery isolation due to high no-load current
- Total battery charging current
- Rear lid power latching position sensor
- Rear lid unlocking drive
- Rear lid power latching system drive
- Battery isolation due to short circuit
- Light module power input
- Light module output
- Battery isolation due to over-current, terminal 15
- Battery temperature
- Passenger compartment illumination key button front
- Terminal 15 / Wake up
- Last battery replacement
- Last but one battery replacement
- Third last battery replacement
- Fourth last battery replacement
- Battery discharge current
- Rear lid actuation button
- **Actuators**
  - Fuel tank cap locking
  - Trunk unlocking
  - Interior lighting
  - Rear window heating
  - Roof load off
  - Roof load on
  - Body load off
  - Body load on

**BMW** **7 [E 65] - 730 d**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> </ul> </li> </ul>
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2002/10 - 2005/03	30 6D 2	3.0	218	<p>Electrical energy management Battery management 2.2</p>	<ul style="list-style-type: none"> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> <li>- Battery switch 2</li> <li>- Number of battery isolations</li> <li>- Battery isolation due to high no-load current</li> <li>- Total battery charging current</li> <li>- Rear lid power latching position sensor</li> <li>- Rear lid unlocking drive</li> <li>- Rear lid power latching system drive</li> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> </ul> </li> </ul>

2005/04  
-  
2008/10

30 6D 3

3.0

231

Electrical energy management  
Battery management 2.2

- Mileage 5 days ago
- Mileage 6 days ago
- Charge status 1 day ago
- Charge status 2 days ago
- Charge status 3 days ago
- Charge status 4 days ago
- Charge status 5 days ago
- Charge status 6 days ago
- Sixth last battery replacement
- Seventh last battery replacement
- Heated rear window power input
- Interior lighting current input
- Current input, terminal 15
- Current input, terminal 30
- Current input, terminal R
- Roof load current input
- Body load, current input
- Load priority A
- Load priority B
- Time, charge status 0-10 %
- Time, charge status 10-20 %
- Time, charge status 20-30 %
- Time, charge status 30-40 %
- Time, charge status 40-50 %
- Time, charge status 50-60 %
- Time, charge status 60-70 %
- Time, charge status 70-80 %
- Time, charge status 80-90 %
- Time, charge status 90-100 %
- Current charge status
- Current mileage
- Battery isolation due to distribution mode
- Battery isolation due to diagnostic command
- Ignition starter switch status
- Alternator voltage specification
- Battery isolation due to jeopardizing starting operation
- Roof load output
- Body load output
- Terminal 30 output signal
- Terminal R output signal
- Battery switch 1
- Battery switch 2
- Number of battery isolations
- Battery isolation due to high no-load current
- Total battery charging current
- Rear lid power latching position sensor
- Rear lid unlocking drive
- Rear lid power latching system drive
- Battery isolation due to short circuit
- Light module power input
- Light module output
- Battery isolation due to over-current, terminal 15
- Battery temperature
- Passenger compartment illumination key button front
- Terminal 15 / Wake up
- Last battery replacement
- Last but one battery replacement
- Third last battery replacement
- Fourth last battery replacement
- Battery discharge current
- Rear lid actuation button
- **Actuators**
  - Fuel tank cap locking
  - Trunk unlocking
  - Interior lighting
  - Rear window heating
  - Roof load off
  - Roof load on
  - Body load off
  - Body load on

- **Identification**
- **Clear errors**

				<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
			<p>Parking brake ACC 2</p>	
			<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>7 [E 65] - 740 d</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> </ul> </li> </ul>

<p>2002/10 - 2005/03</p>	<p>39 8D 1</p>	<p>3.9</p>	<p>258</p>	<p>Electrical energy management Battery management 2.2</p>	<ul style="list-style-type: none"> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> <li>- Battery switch 2</li> <li>- Number of battery isolations</li> <li>- Battery isolation due to high no-load current</li> <li>- Total battery charging current</li> <li>- Rear lid power latching position sensor</li> <li>- Rear lid unlocking drive</li> <li>- Rear lid power latching system drive</li> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
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Year	Engine	Liters	HP	System	Functions
				Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> <li>- Battery switch 2</li> <li>- Number of battery isolations</li> <li>- Battery isolation due to high no-load current</li> <li>- Total battery charging current</li> <li>- Rear lid power latching position sensor</li> <li>- Rear lid unlocking drive</li> <li>- Rear lid power latching system drive</li> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> </ul> </li> </ul>
2002/12 - 2008/10	N73 B60...	6.0	445		



					<ul style="list-style-type: none"> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
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2003/03  
-  
2005/03

30 6S 3

3.0

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Electrical energy management  
Battery management 2.2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - control unit temperature
  - Rear window heating
  - Battery charging status
  - Alternator, current
  - Interior lighting
  - Terminal 15 output signal
  - Door lock switch rear flap
  - Fifth last battery replacement
  - Mileage 1 day ago
  - Mileage 2 days ago
  - Mileage 3 days ago
  - Mileage 4 days ago
  - Mileage 5 days ago
  - Mileage 6 days ago
  - Charge status 1 day ago
  - Charge status 2 days ago
  - Charge status 3 days ago
  - Charge status 4 days ago
  - Charge status 5 days ago
  - Charge status 6 days ago
  - Sixth last battery replacement
  - Seventh last battery replacement
  - Heated rear window power input
  - Interior lighting current input
  - Current input, terminal 15
  - Current input, terminal 30
  - Current input, terminal R
  - Roof load current input
  - Body load, current input
  - Load priority A
  - Load priority B
  - Time, charge status 0-10 %
  - Time, charge status 10-20 %
  - Time, charge status 20-30 %
  - Time, charge status 30-40 %
  - Time, charge status 40-50 %
  - Time, charge status 50-60 %
  - Time, charge status 60-70 %
  - Time, charge status 70-80 %
  - Time, charge status 80-90 %
  - Time, charge status 90-100 %
  - Current charge status
  - Current mileage
  - Battery isolation due to distribution mode
  - Battery isolation due to diagnostic command
  - Ignition starter switch status
  - Alternator voltage specification
  - Battery isolation due to jeopardizing starting operation
  - Roof load output
  - Body load output
  - Terminal 30 output signal
  - Terminal R output signal
  - Battery switch 1
  - Battery switch 2
  - Number of battery isolations
  - Battery isolation due to high no-load current
  - Total battery charging current
  - Rear lid power latching position sensor
  - Rear lid unlocking drive
  - Rear lid power latching system drive
  - Battery isolation due to short circuit
  - Light module power input
  - Light module output
  - Battery isolation due to over-current, terminal 15
  - Battery temperature
  - Passenger compartment illumination key button front

- Terminal 15 / Wake up
- Last battery replacement
- Last but one battery replacement
- Third last battery replacement
- Fourth last battery replacement
- Battery discharge current
- Rear lid actuation button
- **Actuators**
  - Fuel tank cap locking
  - Trunk unlocking
  - Interior lighting
  - Rear window heating
  - Roof load off
  - Roof load on
  - Body load off
  - Body load on

Electrical energy management  
Battery management 2.2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - control unit temperature
  - Rear window heating
  - Battery charging status
  - Alternator, current
  - Interior lighting
  - Terminal 15 output signal
  - Door lock switch rear flap
  - Fifth last battery replacement
  - Mileage 1 day ago
  - Mileage 2 days ago
  - Mileage 3 days ago
  - Mileage 4 days ago
  - Mileage 5 days ago
  - Mileage 6 days ago
  - Charge status 1 day ago
  - Charge status 2 days ago
  - Charge status 3 days ago
  - Charge status 4 days ago
  - Charge status 5 days ago
  - Charge status 6 days ago
  - Sixth last battery replacement
  - Seventh last battery replacement
  - Heated rear window power input
  - Interior lighting current input
  - Current input, terminal 15
  - Current input, terminal 30
  - Current input, terminal R
  - Roof load current input
  - Body load, current input
  - Load priority A
  - Load priority B
  - Time, charge status 0-10 %
  - Time, charge status 10-20 %
  - Time, charge status 20-30 %
  - Time, charge status 30-40 %
  - Time, charge status 40-50 %
  - Time, charge status 50-60 %
  - Time, charge status 60-70 %
  - Time, charge status 70-80 %
  - Time, charge status 80-90 %
  - Time, charge status 90-100 %
  - Current charge status
  - Current mileage
  - Battery isolation due to distribution mode
  - Battery isolation due to diagnostic command
  - Ignition starter switch status
  - Alternator voltage specification
  - Battery isolation due to jeopardizing starting operation
  - Roof load output

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-  
2008/10

N52 B30...

3.0

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- Body load output
- Terminal 30 output signal
- Terminal R output signal
- Battery switch 1
- Battery switch 2
- Number of battery isolations
- Battery isolation due to high no-load current
- Total battery charging current
- Rear lid power latching position sensor
- Rear lid unlocking drive
- Rear lid power latching system drive
- Battery isolation due to short circuit
- Light module power input
- Light module output
- Battery isolation due to over-current, terminal 15
- Battery temperature
- Passenger compartment illumination key button front
- Terminal 15 / Wake up
- Last battery replacement
- Last but one battery replacement
- Third last battery replacement
- Fourth last battery replacement
- Battery discharge current
- Rear lid actuation button
- **Actuators**
  - Fuel tank cap locking
  - Trunk unlocking
  - Interior lighting
  - Rear window heating
  - Roof load off
  - Roof load on
  - Body load off
  - Body load on

Parking brake  
ACC 2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Mileage
  - switch (contact) parking brake (HAS)
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance
  - Radar object 2 relative speed
  - Radar object 2 angular position
  - Radar object 2 angle quality
  - Horizontal sensor misalignment
  - Horizontal misalignment plausibility
  - Sensor lens
  - ACC deactivation button
  - ACC deactivation, V-limit
  - ACC deactivation, BLS active
  - ACC deactivation/external
  - Operating time
  - Yaw rate sensor, offset

Parking brake  
ACC 2 version 1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position

- Radar object 1 angle quality
- Radar object 2 distance
- Radar object 2 relative speed
- Radar object 2 angular position
- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

**BMW** **7 [E 65] - 740 i**

Year	Engine	Liters	HP	System	Functions
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				Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> </ul> </li> </ul>
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N62 B40A

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306

- Terminal R output signal
- Battery switch 1
- Battery switch 2
- Number of battery isolations
- Battery isolation due to high no-load current
- Total battery charging current
- Rear lid power latching position sensor
- Rear lid unlocking drive
- Rear lid power latching system drive
- Battery isolation due to short circuit
- Light module power input
- Light module output
- Battery isolation due to over-current, terminal 15
- Battery temperature
- Passenger compartment illumination key button front
- Terminal 15 / Wake up
- Last battery replacement
- Last but one battery replacement
- Third last battery replacement
- Fourth last battery replacement
- Battery discharge current
- Rear lid actuation button
- **Actuators**
  - Fuel tank cap locking
  - Trunk unlocking
  - Interior lighting
  - Rear window heating
  - Roof load off
  - Roof load on
  - Body load off
  - Body load on

Parking brake  
ACC 2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Mileage
  - switch (contact) parking brake (HAS)
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance
  - Radar object 2 relative speed
  - Radar object 2 angular position
  - Radar object 2 angle quality
  - Horizontal sensor misalignment
  - Horizontal misalignment plausibility
  - Sensor lens
  - ACC deactivation button
  - ACC deactivation, V-limit
  - ACC deactivation, BLS active
  - ACC deactivation/external
  - Operating time
  - Yaw rate sensor, offset

Parking brake  
ACC 2 version 1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance

- Radar object 2 relative speed
- Radar object 2 angular position
- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

**BMW 7 [E 65] - 745 d**

Year	Engine	Liters	HP	System	Functions
				Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> </ul> </li> </ul>

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2008/10

44 8D 1

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330

- Battery switch 2
- Number of battery isolations
- Battery isolation due to high no-load current
- Total battery charging current
- Rear lid power latching position sensor
- Rear lid unlocking drive
- Rear lid power latching system drive
- Battery isolation due to short circuit
- Light module power input
- Light module output
- Battery isolation due to over-current, terminal 15
- Battery temperature
- Passenger compartment illumination key button front
- Terminal 15 / Wake up
- Last battery replacement
- Last but one battery replacement
- Third last battery replacement
- Fourth last battery replacement
- Battery discharge current
- Rear lid actuation button
- **Actuators**
  - Fuel tank cap locking
  - Trunk unlocking
  - Interior lighting
  - Rear window heating
  - Roof load off
  - Roof load on
  - Body load off
  - Body load on

Parking brake  
ACC 2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Mileage
  - switch (contact) parking brake (HAS)
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance
  - Radar object 2 relative speed
  - Radar object 2 angular position
  - Radar object 2 angle quality
  - Horizontal sensor misalignment
  - Horizontal misalignment plausibility
  - Sensor lens
  - ACC deactivation button
  - ACC deactivation, V-limit
  - ACC deactivation, BLS active
  - ACC deactivation/external
  - Operating time
  - Yaw rate sensor, offset

Parking brake  
ACC 2 version 1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance
  - Radar object 2 relative speed
  - Radar object 2 angular position



- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - control unit temperature
  - Rear window heating
  - Battery charging status
  - Alternator, current
  - Interior lighting
  - Terminal 15 output signal
  - Door lock switch rear flap
  - Fifth last battery replacement
  - Mileage 1 day ago
  - Mileage 2 days ago
  - Mileage 3 days ago
  - Mileage 4 days ago
  - Mileage 5 days ago
  - Mileage 6 days ago
  - Charge status 1 day ago
  - Charge status 2 days ago
  - Charge status 3 days ago
  - Charge status 4 days ago
  - Charge status 5 days ago
  - Charge status 6 days ago
  - Sixth last battery replacement
  - Seventh last battery replacement
  - Heated rear window power input
  - Interior lighting current input
  - Current input, terminal 15
  - Current input, terminal 30
  - Current input, terminal R
  - Roof load current input
  - Body load, current input
  - Load priority A
  - Load priority B
  - Time, charge status 0-10 %
  - Time, charge status 10-20 %
  - Time, charge status 20-30 %
  - Time, charge status 30-40 %
  - Time, charge status 40-50 %
  - Time, charge status 50-60 %
  - Time, charge status 60-70 %
  - Time, charge status 70-80 %
  - Time, charge status 80-90 %
  - Time, charge status 90-100 %
  - Current charge status
  - Current mileage
  - Battery isolation due to distribution mode
  - Battery isolation due to diagnostic command
  - Ignition starter switch status
  - Alternator voltage specification
  - Battery isolation due to jeopardizing starting operation
  - Roof load output
  - Body load output
  - Terminal 30 output signal
  - Terminal R output signal
  - Battery switch 1
  - Battery switch 2
  - Number of battery isolations
  - Battery isolation due to high no-load current
  - Total battery charging current
  - Rear lid power latching position sensor
  - Rear lid unlocking drive
  - Rear lid power latching system drive

Electrical energy management  
Battery management 2.2

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300

					<ul style="list-style-type: none"> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
			Parking brake ACC 2		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>7 [E 65] - 750 i</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> </ul> </li> </ul>

<p>2005/04 - 2008/10</p>	<p>N62 B48B</p>	<p>4.8</p>	<p>367</p>	<p>Electrical energy management Battery management 2.2</p>	<ul style="list-style-type: none"> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> <li>- Battery switch 2</li> <li>- Number of battery isolations</li> <li>- Battery isolation due to high no-load current</li> <li>- Total battery charging current</li> <li>- Rear lid power latching position sensor</li> <li>- Rear lid unlocking drive</li> <li>- Rear lid power latching system drive</li> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
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Parking brake  
ACC 2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Mileage
  - switch (contact) parking brake (HAS)
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance
  - Radar object 2 relative speed
  - Radar object 2 angular position
  - Radar object 2 angle quality
  - Horizontal sensor misalignment
  - Horizontal misalignment plausibility
  - Sensor lens
  - ACC deactivation button
  - ACC deactivation, V-limit
  - ACC deactivation, BLS active
  - ACC deactivation/external
  - Operating time
  - Yaw rate sensor, offset

Parking brake  
ACC 2 version 1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance
  - Radar object 2 relative speed
  - Radar object 2 angular position
  - Radar object 2 angle quality
  - Horizontal sensor misalignment
  - Horizontal misalignment plausibility
  - Sensor lens
  - Yaw rate sensor, offset

**BMW** 7 [E 66] - 745 Li

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> </ul> </li> </ul>

<p>2002/03 - 2005/03</p>	<p>N62 B44A</p>	<p>4.4</p>	<p>333</p>	<p>Electrical energy management Battery management 2.2</p>	<ul style="list-style-type: none"> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> <li>- Battery switch 2</li> <li>- Number of battery isolations</li> <li>- Battery isolation due to high no-load current</li> <li>- Total battery charging current</li> <li>- Rear lid power latching position sensor</li> <li>- Rear lid unlocking drive</li> <li>- Rear lid power latching system drive</li> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
	<p>• <b>Identification</b></p>				

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N62 B44A

4.4

337

Electrical energy management  
Battery management 2.2

- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - control unit temperature
  - Rear window heating
  - Battery charging status
  - Alternator, current
  - Interior lighting
  - Terminal 15 output signal
  - Door lock switch rear flap
  - Fifth last battery replacement
  - Mileage 1 day ago
  - Mileage 2 days ago
  - Mileage 3 days ago
  - Mileage 4 days ago
  - Mileage 5 days ago
  - Mileage 6 days ago
  - Charge status 1 day ago
  - Charge status 2 days ago
  - Charge status 3 days ago
  - Charge status 4 days ago
  - Charge status 5 days ago
  - Charge status 6 days ago
  - Sixth last battery replacement
  - Seventh last battery replacement
  - Heated rear window power input
  - Interior lighting current input
  - Current input, terminal 15
  - Current input, terminal 30
  - Current input, terminal R
  - Roof load current input
  - Body load, current input
  - Load priority A
  - Load priority B
  - Time, charge status 0-10 %
  - Time, charge status 10-20 %
  - Time, charge status 20-30 %
  - Time, charge status 30-40 %
  - Time, charge status 40-50 %
  - Time, charge status 50-60 %
  - Time, charge status 60-70 %
  - Time, charge status 70-80 %
  - Time, charge status 80-90 %
  - Time, charge status 90-100 %
  - Current charge status
  - Current mileage
  - Battery isolation due to distribution mode
  - Battery isolation due to diagnostic command
  - Ignition starter switch status
  - Alternator voltage specification
  - Battery isolation due to jeopardizing starting operation
  - Roof load output
  - Body load output
  - Terminal 30 output signal
  - Terminal R output signal
  - Battery switch 1
  - Battery switch 2
  - Number of battery isolations
  - Battery isolation due to high no-load current
  - Total battery charging current
  - Rear lid power latching position sensor
  - Rear lid unlocking drive
  - Rear lid power latching system drive
  - Battery isolation due to short circuit
  - Light module power input
  - Light module output
  - Battery isolation due to over-current, terminal 15
  - Battery temperature
  - Passenger compartment illumination key button front
  - Terminal 15 / Wake up

					<ul style="list-style-type: none"> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
				Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

BMW	7 [E 66] - 735 Li
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Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>
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2002/03  
-  
2005/03

N62 B36A

3.6

272

Electrical energy management  
Battery management 2.2

- Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - control unit temperature
  - Rear window heating
  - Battery charging status
  - Alternator, current
  - Interior lighting
  - Terminal 15 output signal
  - Door lock switch rear flap
  - Fifth last battery replacement
  - Mileage 1 day ago
  - Mileage 2 days ago
  - Mileage 3 days ago
  - Mileage 4 days ago
  - Mileage 5 days ago
  - Mileage 6 days ago
  - Charge status 1 day ago
  - Charge status 2 days ago
  - Charge status 3 days ago
  - Charge status 4 days ago
  - Charge status 5 days ago
  - Charge status 6 days ago
  - Sixth last battery replacement
  - Seventh last battery replacement
  - Heated rear window power input
  - Interior lighting current input
  - Current input, terminal 15
  - Current input, terminal 30
  - Current input, terminal R
  - Roof load current input
  - Body load, current input
  - Load priority A
  - Load priority B
  - Time, charge status 0-10 %
  - Time, charge status 10-20 %
  - Time, charge status 20-30 %
  - Time, charge status 30-40 %
  - Time, charge status 40-50 %
  - Time, charge status 50-60 %
  - Time, charge status 60-70 %
  - Time, charge status 70-80 %
  - Time, charge status 80-90 %
  - Time, charge status 90-100 %
  - Current charge status
  - Current mileage
  - Battery isolation due to distribution mode
  - Battery isolation due to diagnostic command
  - Ignition starter switch status
  - Alternator voltage specification
  - Battery isolation due to jeopardizing starting operation
  - Roof load output
  - Body load output
  - Terminal 30 output signal
  - Terminal R output signal
  - Battery switch 1
  - Battery switch 2
  - Number of battery isolations
  - Battery isolation due to high no-load current
  - Total battery charging current
  - Rear lid power latching position sensor
  - Rear lid unlocking drive
  - Rear lid power latching system drive
  - Battery isolation due to short circuit
  - Light module power input
  - Light module output
  - Battery isolation due to over-current, terminal 15
  - Battery temperature
  - Passenger compartment illumination key button front
  - Terminal 15 / Wake up
  - Last battery replacement
  - Last but one battery replacement



- Third last battery replacement
- Fourth last battery replacement
- Battery discharge current
- Rear lid actuation button
- **Actuators**
  - Fuel tank cap locking
  - Trunk unlocking
  - Interior lighting
  - Rear window heating
  - Roof load off
  - Roof load on
  - Body load off
  - Body load on

**BMW** **7 [E 66] - 760 Li**

Year	Engine	Liters	HP	System	Functions
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				Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> </ul> </li> </ul>
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2002/12 - 2008/10	N73 B60...	6.0	445	<ul style="list-style-type: none"> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> <li>- Battery switch 2</li> <li>- Number of battery isolations</li> <li>- Battery isolation due to high no-load current</li> <li>- Total battery charging current</li> <li>- Rear lid power latching position sensor</li> <li>- Rear lid unlocking drive</li> <li>- Rear lid power latching system drive</li> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
			Parking brake ACC 2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> </ul> </li> </ul>

Parking brake  
ACC 2 version 1

- Radar object 1 relative speed
- Radar object 1 angular position
- Radar object 1 angle quality
- Radar object 2 distance
- Radar object 2 relative speed
- Radar object 2 angular position
- Radar object 2 angle quality
- Horizontal sensor misalignment
- Horizontal misalignment plausibility
- Sensor lens
- Yaw rate sensor, offset

**BMW** **7 [E 66] - 730 Li**

Year	Engine	Liters	HP	System	Functions
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2003/03 - 2005/03	30 6S 3	3.0	231	Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> </ul> </li> </ul>
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- Body load output
- Terminal 30 output signal
- Terminal R output signal
- Battery switch 1
- Battery switch 2
- Number of battery isolations
- Battery isolation due to high no-load current
- Total battery charging current
- Rear lid power latching position sensor
- Rear lid unlocking drive
- Rear lid power latching system drive
- Battery isolation due to short circuit
- Light module power input
- Light module output
- Battery isolation due to over-current, terminal 15
- Battery temperature
- Passenger compartment illumination key button front
- Terminal 15 / Wake up
- Last battery replacement
- Last but one battery replacement
- Third last battery replacement
- Fourth last battery replacement
- Battery discharge current
- Rear lid actuation button
- **Actuators**
  - Fuel tank cap locking
  - Trunk unlocking
  - Interior lighting
  - Rear window heating
  - Roof load off
  - Roof load on
  - Body load off
  - Body load on

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - control unit temperature
  - Rear window heating
  - Battery charging status
  - Alternator, current
  - Interior lighting
  - Terminal 15 output signal
  - Door lock switch rear flap
  - Fifth last battery replacement
  - Mileage 1 day ago
  - Mileage 2 days ago
  - Mileage 3 days ago
  - Mileage 4 days ago
  - Mileage 5 days ago
  - Mileage 6 days ago
  - Charge status 1 day ago
  - Charge status 2 days ago
  - Charge status 3 days ago
  - Charge status 4 days ago
  - Charge status 5 days ago
  - Charge status 6 days ago
  - Sixth last battery replacement
  - Seventh last battery replacement
  - Heated rear window power input
  - Interior lighting current input
  - Current input, terminal 15
  - Current input, terminal 30
  - Current input, terminal R
  - Roof load current input
  - Body load, current input
  - Load priority A
  - Load priority B
  - Time, charge status 0-10 %

<p>2005/04 - 2008/10</p>	<p>N52 B30...</p>	<p>3.0</p>	<p>258</p>	<p>Electrical energy management Battery management 2.2</p>	<ul style="list-style-type: none"> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> <li>- Battery switch 2</li> <li>- Number of battery isolations</li> <li>- Battery isolation due to high no-load current</li> <li>- Total battery charging current</li> <li>- Rear lid power latching position sensor</li> <li>- Rear lid unlocking drive</li> <li>- Rear lid power latching system drive</li> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> </ul> </li> </ul>			

- ACC deactivation, V-limit
- ACC deactivation, BLS active
- ACC deactivation/external
- Operating time
- Yaw rate sensor, offset

Parking brake  
ACC 2 version 1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance
  - Radar object 2 relative speed
  - Radar object 2 angular position
  - Radar object 2 angle quality
  - Horizontal sensor misalignment
  - Horizontal misalignment plausibility
  - Sensor lens
  - Yaw rate sensor, offset

**BMW** 7 [E 66] - 740 Li

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> </ul> </li> </ul>

<p>2005/04 - 2008/10</p>	<p>N62 B40A</p>	<p>4.0</p>	<p>306</p>	<p>Electrical energy management Battery management 2.2</p> <ul style="list-style-type: none"> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> <li>- Battery switch 2</li> <li>- Number of battery isolations</li> <li>- Battery isolation due to high no-load current</li> <li>- Total battery charging current</li> <li>- Rear lid power latching position sensor</li> <li>- Rear lid unlocking drive</li> <li>- Rear lid power latching system drive</li> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>	<p>Parking brake ACC 2</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul>
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>7 [E 66] - 750 Li</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> </ul> </li> </ul>



2005/04 - 2008/10	N62 B48B	4.8	367	<p>Electrical energy management Battery management 2.2</p>	<ul style="list-style-type: none"> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> <li>- Battery switch 2</li> <li>- Number of battery isolations</li> <li>- Battery isolation due to high no-load current</li> <li>- Total battery charging current</li> <li>- Rear lid power latching position sensor</li> <li>- Rear lid unlocking drive</li> <li>- Rear lid power latching system drive</li> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
				<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> </ul> </li> </ul>

					- Yaw rate sensor, offset
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

<b>BMW</b>	<b>7 [E 66] - 730 Ld</b>
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Year	Engine	Liters	HP	System	Functions
				Electrical energy management	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- control unit temperature</li> <li>- Rear window heating</li> <li>- Battery charging status</li> <li>- Alternator, current</li> <li>- Interior lighting</li> <li>- Terminal 15 output signal</li> <li>- Door lock switch rear flap</li> <li>- Fifth last battery replacement</li> <li>- Mileage 1 day ago</li> <li>- Mileage 2 days ago</li> <li>- Mileage 3 days ago</li> <li>- Mileage 4 days ago</li> <li>- Mileage 5 days ago</li> <li>- Mileage 6 days ago</li> <li>- Charge status 1 day ago</li> <li>- Charge status 2 days ago</li> <li>- Charge status 3 days ago</li> <li>- Charge status 4 days ago</li> <li>- Charge status 5 days ago</li> <li>- Charge status 6 days ago</li> <li>- Sixth last battery replacement</li> <li>- Seventh last battery replacement</li> <li>- Heated rear window power input</li> <li>- Interior lighting current input</li> <li>- Current input, terminal 15</li> <li>- Current input, terminal 30</li> <li>- Current input, terminal R</li> <li>- Roof load current input</li> <li>- Body load, current input</li> <li>- Load priority A</li> <li>- Load priority B</li> <li>- Time, charge status 0-10 %</li> <li>- Time, charge status 10-20 %</li> <li>- Time, charge status 20-30 %</li> <li>- Time, charge status 30-40 %</li> <li>- Time, charge status 40-50 %</li> <li>- Time, charge status 50-60 %</li> <li>- Time, charge status 60-70 %</li> </ul> </li> </ul>

2005/09 - 2008/10	30 6D 3	3.0	231	<p>Battery management 2.2</p> <ul style="list-style-type: none"> <li>- Time, charge status 70-80 %</li> <li>- Time, charge status 80-90 %</li> <li>- Time, charge status 90-100 %</li> <li>- Current charge status</li> <li>- Current mileage</li> <li>- Battery isolation due to distribution mode</li> <li>- Battery isolation due to diagnostic command</li> <li>- Ignition starter switch status</li> <li>- Alternator voltage specification</li> <li>- Battery isolation due to jeopardizing starting operation</li> <li>- Roof load output</li> <li>- Body load output</li> <li>- Terminal 30 output signal</li> <li>- Terminal R output signal</li> <li>- Battery switch 1</li> <li>- Battery switch 2</li> <li>- Number of battery isolations</li> <li>- Battery isolation due to high no-load current</li> <li>- Total battery charging current</li> <li>- Rear lid power latching position sensor</li> <li>- Rear lid unlocking drive</li> <li>- Rear lid power latching system drive</li> <li>- Battery isolation due to short circuit</li> <li>- Light module power input</li> <li>- Light module output</li> <li>- Battery isolation due to over-current, terminal 15</li> <li>- Battery temperature</li> <li>- Passenger compartment illumination key button front</li> <li>- Terminal 15 / Wake up</li> <li>- Last battery replacement</li> <li>- Last but one battery replacement</li> <li>- Third last battery replacement</li> <li>- Fourth last battery replacement</li> <li>- Battery discharge current</li> <li>- Rear lid actuation button</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Fuel tank cap locking</li> <li>- Trunk unlocking</li> <li>- Interior lighting</li> <li>- Rear window heating</li> <li>- Roof load off</li> <li>- Roof load on</li> <li>- Body load off</li> <li>- Body load on</li> </ul> </li> </ul>
			<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- ACC test</li> <li>- ACC sensor adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Mileage</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Steering wheel angle offset</li> <li>- Radar object 1 distance</li> <li>- Radar object 1 relative speed</li> <li>- Radar object 1 angular position</li> <li>- Radar object 1 angle quality</li> <li>- Radar object 2 distance</li> <li>- Radar object 2 relative speed</li> <li>- Radar object 2 angular position</li> <li>- Radar object 2 angle quality</li> <li>- Horizontal sensor misalignment</li> <li>- Horizontal misalignment plausibility</li> <li>- Sensor lens</li> <li>- ACC deactivation button</li> <li>- ACC deactivation, V-limit</li> <li>- ACC deactivation, BLS active</li> <li>- ACC deactivation/external</li> <li>- Operating time</li> <li>- Yaw rate sensor, offset</li> </ul> </li> </ul>

Parking brake  
ACC 2 version 1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - ACC test
  - ACC sensor adjustment
- **Error memory**
- **Current values**
  - Steering wheel angle offset
  - Radar object 1 distance
  - Radar object 1 relative speed
  - Radar object 1 angular position
  - Radar object 1 angle quality
  - Radar object 2 distance
  - Radar object 2 relative speed
  - Radar object 2 angular position
  - Radar object 2 angle quality
  - Horizontal sensor misalignment
  - Horizontal misalignment plausibility
  - Sensor lens
  - Yaw rate sensor, offset

**BMW X 5 [E 70] - X 5 xDrive 30 d**

Year	Engine	Liters	HP	System	Functions
2010/04 -	N57 D30A	3.0	211 - 245	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

**BMW X 5 [E 70] - X 5 xDrive 50 i**

Year	Engine	Liters	HP	System	Functions
2010/04 -	N63 B44A	4.4	408	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW X 5 [E 70] - X 5 xDrive 35d					
Year	Engine	Liters	HP	System	Functions
2008/09 -	M57T2D30	3.0	0	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW X 5 [E 70] - X 5 M 50 d					
Year	Engine	Liters	HP	System	Functions
2012/04 -	N57 D30C	3.0	381	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

BMW X 6 [E 71] - X 6 xDrive 30 d					
Year	Engine	Liters	HP	System	Functions
2010/04 -	N57 D30A	3.0	211 - 245	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> </ul>

- **Actuators**
  - Rotational speed sensor
  - Self test
  - Fuel level display
  - Speed indicator

BMW X 6 [E 71] - X 6 M 50 d					
Year	Engine	Liters	HP	System	Functions
2012/04 -	N57 D30C	3.0	381	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- engine revolutions signal</li> <li>- Ambient temperature sensor</li> <li>- Terminal 15</li> <li>- Switch Daily mileage reset</li> <li>- Terminal R</li> <li>- External temperature display</li> <li>- PLUS touch-button</li> <li>- Minus touch-button</li> <li>- On-board computer, button</li> <li>- Fuel level sensor, left</li> <li>- Fuel level sensor, right</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rotational speed sensor</li> <li>- Self test</li> <li>- Fuel level display</li> <li>- Speed indicator</li> </ul> </li> </ul>

[C5 \[X7\] - C5 2.2 HDi](#)

[C5 \[X7\] Tourer - C5 2.2 HDi Tourer](#)

[Jumper - Jumper 2.8 HDi](#)

[Jumper - Jumper 2.3 HDi](#)

[Jumper \[U9\] - Jumper 2.2 HDi](#)

[Jumper \[U9\] - Jumper 3.0 HDi](#)

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> <li>- Final compression pressure/final compression temperature</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptive parameters reset</li> <li>- Injector quantity adjustment</li> <li>- Exhaust gas recirculation control unit</li> <li>- Restoration of adaptation values of the exhaust gas recirculation</li> <li>- Reset Lambda sensor adaptation values</li> <li>- Particle filter-Regeneration</li> <li>- Reset additive level</li> <li>- Adaptation clear after pump replacement</li> <li>- Filling of additive tank</li> <li>- Reset after replacement of additive filter</li> <li>- Reset after replacement of turbocharger</li> <li>- Adapt air mass meter</li> <li>- Reset air mass meter adaptation values</li> <li>- Reset of injectors adaption values, cyl. 1</li> <li>- Reset of injectors adaption values, cyl. 2</li> <li>- Reset of injectors adaption values, cyl. 3</li> <li>- Reset of injectors adaption values, cyl. 4</li> <li>- Reset after replacing engine</li> <li>- Reset turbocharger wear counter</li> <li>- Exhaust manifold wear counter</li> <li>- Reset cylinder head wear counter</li> <li>- Reset engine block wear counter</li> <li>- Reset timing chain wear counter</li> <li>- Reset EGR cooler wear counter</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Actual value particle filter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transmission type</li> <li>- Quantity correction for cylinder 1</li> <li>- Quantity correction for cylinder 2</li> <li>- Quantity correction for cylinder 3</li> <li>- Quantity correction for cylinder 4</li> <li>- Vehicle driving speed</li> <li>- Engine oil pressure</li> <li>- Accelerator pedal position</li> <li>- Fuel temperature</li> <li>- Status immobilizer</li> <li>- Coolant temperature</li> <li>- air conditioner/compressor readiness signal</li> <li>- Engine revolution</li> <li>- atmospheric pressure</li> <li>- Gear engaged</li> <li>- Control unit power supply</li> <li>- signal, brake switch</li> <li>- Clutch switch</li> <li>- recommended idle revolutions</li> <li>- throttle valve actual value</li> <li>- Engine status</li> <li>- ignition blocking signal</li> <li>- Main relay</li> <li>- turbo charger regulating valve</li> <li>- turbo charger regulating valve</li> <li>- engine oil temperature</li> <li>- actual value of moment motor</li> <li>- stop lights switch</li> <li>- injected fuel quantity</li> <li>- camshaft with crank shaft engagement</li> <li>- Additional heating relay</li> <li>- Rail pressure, nominal</li> </ul> </li> </ul>



2010/07

4HL

2.2

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Engine control  
Diesel EDC 17CP42

- Rail pressure, actual
- Air mass, nominal value
- Turbo pressure, nominal value
- Turbo pressure, actual value
- CAN: front axle speed
- CAN message, engine revolutions signal
- Fan 1 control
- Fan 2 control
- Brake pedal switch
- Exhausted gases recirculation adaptation
- Adaptation of charge air flow flap
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Fuel quantity metering device pulse-duty factor
- Air conditioner system pressure
- Tank filling door
- Injection time, cylinder 1
- Injection time, cylinder 2
- Injection time, cylinder 3
- Injection time, cylinder 4
- Variable speed limit
- Driving speed control
- Cooling agent pressure sensor
- Clutch pedal switch
- Engine start temperature
- Full throttle gas pedal position
- Brake pedal switch (redundancy)
- Start permission
- AGR-Magnetic valve duty cycle
- Wheel acceleration
- Rail pressure (measured)
- System in fail safe
- Cooling agent temperature control light
- Throttle valve required position
- Tempomat speed (required value)
- Injection pump revolutions
- Fuel level minimum
- Cooling agent pressure
- Signal for switching on air conditioner compressor
- Control unit status
- Immobilizer status
- Additive minimum level
- Injected amount of additive
- Particle filter output temperature
- Drive current, high-pressure pump
- Correction, Injection time
- EGR cooling bypass solenoid valve
- Ancillaries status signal
- DPF remaining mileage can be read out
- Particulate filter contamination level
- Estimated remaining HDP operating time
- Alternator regulator
- Number of terminated DPF regenerations
- Boost pressure upper limit first adaptation
- Boost pressure lower limit first adaptation
- EGR lower limit first adaptation
- Tank fill level via CAN
- Immobilizer code
- Recirculated-air flap, solenoid valve
- Radiator fan triggering actual value
- Electr. supplem. heater actuation
- Exhaust gas recirculation Position Actual Value
- Exhaust gas recirculation Position Target Value
- Ash content particle filter
- Distance since last regeneration
- Time since filling
- Calculated fuel quantity in oil
- Metering unit duty cycle, specified value
- Boost pressure control status bank 1
- Additive tank first filling
- Battery voltage on engine start
- Vehicle speed limitation button
- Intake air temperature not corrected

- Short-term DPF regeneration condition
- Long-term DPF regeneration condition
- Final compression
- Final compression temperature
- Atmospheric pressure on engine start
- Fuel temperature on engine start
- Mileage on engine start
- Estimated remaining rail operation time
- Remaining EGR cooler time
- Remaining timing chain time
- Remaining turbocharger time
- Remaining engine block time
- Remaining cylinder head time
- EGR valve adaptation value reset
- Air leakage
- Cooling agent compressor request
- Particle filter differential pressure
- Last adaption exhaust gas recirculation system
- First adaption exhaust gas flap control
- Last adaption exhaust gas flap controller
- Radiator fan request air-conditioner
- CAN message - coolant temperature
- Intake air temperature 2
- AGR cooling solenoid valve
- Status Particle filter-Regeneration
- Status Wake-Up Signal
- Throttle valve status
- Driver input torque
- Conditions for DPF-Regeneration
- Intake air, temperature 1
- Carbon black content Particle filter
- Alternator regulator set value
- EGR adaption mode status
- EGR valve fully closed adapt. value
- Additive reservoir
- Average mileage between regenerations
- Power loss
- Suction control valve control current nominal value
- Engine oil temperature sensor
- Time from last regeneration
- Turbocharger pressure lower limit adaptation
- Turbocharger pressure upper limit adaptation
- EGR upper limit adaptation
- Distance from the last DPF change
- Average piston speed
- Particle filter quality
- Crankshaft circumferent. speed
- Residual additive quantity
- Turbocharger boost pressure valve, set value
- **Actuators**
  - Air pressure in intake manifold
  - Oxygen sensor
  - circuit compressor control
  - exhausted gases recirculation control circuit
  - interference engine
  - Air mass meter signal
  - exhausted gases recirculation solenoid 1
  - Main relay
  - turbo charger regulating valve
  - warming up relay
  - Additional heater
  - Suction control valve
  - Fuel pressure controller
  - Radiator fan high speed
  - Radiator fan: medium speed
  - Exhaust gas recirculation control unit
  - Auxiliary heater heating element 1
  - Auxiliary heater – Heating component 2
  - Additive delivery pump

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> <li>- Final compression pressure/final compression temperature</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptive parameters reset</li> <li>- Injector quantity adjustment</li> <li>- Exhaust gas recirculation control unit</li> <li>- Restoration of adaptation values of the exhaust gas recirculation</li> <li>- Reset Lambda sensor adaptation values</li> <li>- Particle filter-Regeneration</li> <li>- Reset additive level</li> <li>- Adaptation clear after pump replacement</li> <li>- Filling of additive tank</li> <li>- Reset after replacement of additive filter</li> <li>- Reset after replacement of turbocharger</li> <li>- Adapt air mass meter</li> <li>- Reset air mass meter adaptation values</li> <li>- Reset of injectors adaption values, cyl. 1</li> <li>- Reset of injectors adaption values, cyl. 2</li> <li>- Reset of injectors adaption values, cyl. 3</li> <li>- Reset of injectors adaption values, cyl. 4</li> <li>- Reset after replacing engine</li> <li>- Reset turbocharger wear counter</li> <li>- Exhaust manifold wear counter</li> <li>- Reset cylinder head wear counter</li> <li>- Reset engine block wear counter</li> <li>- Reset timing chain wear counter</li> <li>- Reset EGR cooler wear counter</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Actual value particle filter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transmission type</li> <li>- Quantity correction for cylinder 1</li> <li>- Quantity correction for cylinder 2</li> <li>- Quantity correction for cylinder 3</li> <li>- Quantity correction for cylinder 4</li> <li>- Vehicle driving speed</li> <li>- Engine oil pressure</li> <li>- Accelerator pedal position</li> <li>- Fuel temperature</li> <li>- Status immobilizer</li> <li>- Coolant temperature</li> <li>- air conditioner/compressor readiness signal</li> <li>- Engine revolution</li> <li>- atmospheric pressure</li> <li>- Gear engaged</li> <li>- Control unit power supply</li> <li>- signal, brake switch</li> <li>- Clutch switch</li> <li>- recommended idle revolutions</li> <li>- throttle valve actual value</li> <li>- Engine status</li> <li>- ignition blocking signal</li> <li>- Main relay</li> <li>- turbo charger regulating valve</li> <li>- turbo charger regulating valve</li> <li>- engine oil temperature</li> <li>- actual value of moment motor</li> <li>- stop lights switch</li> <li>- injected fuel quantity</li> <li>- camshaft with crank shaft engagement</li> <li>- Additional heating relay</li> <li>- Rail pressure, nominal</li> <li>- Rail pressure, actual</li> <li>- Air mass, nominal value</li> <li>- Turbo pressure, nominal value</li> </ul> </li> </ul>

2010/07  
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4HL

2.2

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Engine control  
Diesel EDC 17CP42

- Turbo pressure, actual value
- CAN: front axle speed
- CAN message, engine revolutions signal
- Fan 1 control
- Fan 2 control
- Brake pedal switch
- Exhausted gases recirculation adaptation
- Adaptation of charge air flow flap
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Fuel quantity metering device pulse-duty factor
- Air conditioner system pressure
- Tank filling door
- Injection time, cylinder 1
- Injection time, cylinder 2
- Injection time, cylinder 3
- Injection time, cylinder 4
- Variable speed limit
- Driving speed control
- Cooling agent pressure sensor
- Clutch pedal switch
- Engine start temperature
- Full throttle gas pedal position
- Brake pedal switch (redundancy)
- Start permission
- AGR-Magnetic valve duty cycle
- Wheel acceleration
- Rail pressure (measured)
- System in fail safe
- Cooling agent temperature control light
- Throttle valve required position
- Tempomat speed (required value)
- Injection pump revolutions
- Fuel level minimum
- Cooling agent pressure
- Signal for switching on air conditioner compressor
- Control unit status
- Immobilizer status
- Additive minimum level
- Injected amount of additive
- Particle filter output temperature
- Drive current, high-pressure pump
- Correction, Injection time
- EGR cooling bypass solenoid valve
- Ancillaries status signal
- DPF remaining mileage can be read out
- Particulate filter contamination level
- Estimated remaining HDP operating time
- Alternator regulator
- Number of terminated DPF regenerations
- Boost pressure upper limit first adaptation
- Boost pressure lower limit first adaptation
- EGR lower limit first adaptation
- Tank fill level via CAN
- Immobilizer code
- Recirculated-air flap, solenoid valve
- Radiator fan triggering actual value
- Electr. supplm. heater actuation
- Exhaust gas recirculation Position Actual Value
- Exhaust gas recirculation Position Target Value
- Ash content particle filter
- Distance since last regeneration
- Time since filling
- Calculated fuel quantity in oil
- Metering unit duty cycle, specified value
- Boost pressure control status bank 1
- Additive tank first filling
- Battery voltage on engine start
- Vehicle speed limitation button
- Intake air temperature not corrected
- Short-term DPF regeneration condition
- Long-term DPF regeneration condition
- Final compression

- Final compression temperature
- Atmospheric pressure on engine start
- Fuel temperature on engine start
- Mileage on engine start
- Estimated remaining rail operation time
- Remaining EGR cooler time
- Remaining timing chain time
- Remaining turbocharger time
- Remaining engine block time
- Remaining cylinder head time
- EGR valve adaptation value reset
- Air leakage
- Cooling agent compressor request
- Particle filter differential pressure
- Last adaption exhaust gas recirculation system
- First adaption exhaust gas flap control
- Last adaption exhaust gas flap controller
- Radiator fan request air-conditioner
- CAN message - coolant temperature
- Intake air temperature 2
- AGR cooling solenoid valve
- Status Particle filter-Regeneration
- Status Wake-Up Signal
- Throttle valve status
- Driver input torque
- Conditions for DPF-Regeneration
- Intake air, temperature 1
- Carbon black content Particle filter
- Alternator regulator set value
- EGR adaption mode status
- EGR valve fully closed adapt. value
- Additive reservoir
- Average mileage between regenerations
- Power loss
- Suction control valve control current nominal value
- Engine oil temperature sensor
- Time from last regeneration
- Turbocharger pressure lower limit adaptation
- Turbocharger pressure upper limit adaptation
- EGR upper limit adaptation
- Distance from the last DPF change
- Average piston speed
- Particle filter quality
- Crankshaft circumferent. speed
- Residual additive quantity
- Turbocharger boost pressure valve, set value
- **Actuators**
- Air pressure in intake manifold
- Oxygen sensor
- circuit compressor control
- exhausted gases recirculation control circuit
- interference engine
- Air mass meter signal
- exhausted gases recirculation solenoid 1
- Main relay
- turbo charger regulating valve
- warming up relay
- Additional heater
- Suction control valve
- Fuel pressure controller
- Radiator fan high speed
- Radiator fan: medium speed
- Exhaust gas recirculation control unit
- Auxiliary heater heating element 1
- Auxiliary heater – Heating component 2
- Additive delivery pump

**CITROEN Jumper - Jumper 2.8 HDI**

Year	Engine	Liters	HP	System	Functions
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2005/09					
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- 2009/09	8140 43s	2.8	127	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
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CITROEN Jumper - Jumper 2.3 HDI					
Year	Engine	Liters	HP	System	Functions
2009/10 - 2012/02	F1A	2.3	127	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

CITROEN Jumper [U9] - Jumper 2.2 HDi					
Year	Engine	Liters	HP	System	Functions
2006/06 -	4HV	2.2	101	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2010/07 -	4HM	2.2	129	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2011/06 -	4HG	2.2	110	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

CITROEN Jumper [U9] - Jumper 3.0 HDi					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1CE...	3.0	158	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2010/01 -	F1CE3481N	3.0	146	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2010/06 -	F1CE3481D	3.0	156	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2011/03 -	F1CE3481E	3.0	177	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

[Bravo '07 \[198\] - Bravo 1.9 Multijet](#)  
[Bravo '07 \[198\] - Bravo 1.4 16V](#)  
[Bravo '07 \[198\] - Bravo 1.4 Turbo 16V](#)  
[Bravo '07 \[198\] - Bravo 1.6 Multijet](#)  
[Bravo '07 \[198\] - Bravo 2.0 Multijet](#)  
[Bravo '07 \[198\] - Bravo 1.4 16V LPG](#)  
[Bravo '10 \[198\] - Bravo 1.4](#)  
[Bravo '10 \[198\] - Bravo 1.4 LPG](#)  
[Bravo '10 \[198\] - Bravo 1.4 Turbo](#)  
[Bravo '10 \[198\] - Bravo 1.6 Multijet](#)  
[Bravo '10 \[198\] - Bravo 2.0 Multijet](#)  
[Croma '05 \[194\] - Croma 2.2 i.e.](#)  
[Croma '05 \[194\] - Croma 1.9 JTD 8V](#)  
[Croma '05 \[194\] - Croma 1.9 JTD 16V](#)  
[Croma '05 \[194\] - Croma 2.4 JTD](#)  
[Croma '05 \[194\] - Croma 1.8 i.e.](#)  
[Doblo '00 \[223\] - Doblo 1.2 i.e. 8V](#)  
[Doblo '00 \[223\] - Doblo 1.9 D](#)  
[Doblo '00 \[223\] - Doblo 1.9 JTD](#)  
[Doblo '00 \[223\] - Doblo 1.6 i.e. 16V](#)  
[Doblo '00 \[223\] - Doblo 1.6 i.e. 16V Bipower](#)  
[Doblo '00 \[223\] - Doblo 1.3 JTD 16V](#)  
[Doblo '05 \[223\] - Doblo 1.6 i.e. 16V Bipower](#)  
[Doblo '05 \[223\] - Doblo 1.9 Multijet](#)  
[Doblo '05 \[223\] - Doblo 1.3 Multijet](#)  
[Doblo '05 \[223\] - Doblo 1.4 i.e.](#)  
[Doblo Cargo '00 \[223\] - Doblo Cargo 1.9 D](#)  
[Doblo Cargo '00 \[223\] - Doblo Cargo 1.9 JTD](#)  
[Doblo Cargo '00 \[223\] - Doblo Cargo 1.2 i.e. 8V](#)  
[Doblo Cargo '00 \[223\] - Doblo Cargo 1.6 i.e. 16V](#)  
[Doblo Cargo '00 \[223\] - Doblo Cargo 1.6 i.e. 16V Bipower](#)  
[Doblo Cargo '00 \[223\] - Doblo Cargo 1.3 JTD 16V](#)  
[Doblo Cargo '05 \[223\] - Doblo Cargo 1.6 i.e. 16V Bipower](#)  
[Doblo Cargo '05 \[223\] - Doblo Cargo 1.9 Multijet](#)  
[Doblo Cargo '05 \[223\] - Doblo Cargo 1.3 Multijet](#)  
[Doblo Cargo '05 \[223\] - Doblo Cargo 1.4 i.e.](#)  
[Ducato '06 \[250\] - Ducato 11 100 Multijet](#)  
[Ducato '06 \[250\] - Ducato 15 100 Multijet](#)  
[Ducato '06 \[250\] - Ducato 17 100 Multijet](#)  
[Ducato '06 \[250\] - Ducato Maxi 17 120 Multijet](#)  
[Ducato '06 \[250\] - Ducato Maxi 20 120 Multijet](#)  
[Ducato '06 \[250\] - Ducato 11 120 Multijet](#)  
[Ducato '06 \[250\] - Ducato 11 160 Multijet](#)  
[Ducato '06 \[250\] - Ducato 15 120 Multijet](#)  
[Ducato '06 \[250\] - Ducato 15 160 Multijet](#)  
[Ducato '06 \[250\] - Ducato 17 120 Multijet](#)  
[Ducato '06 \[250\] - Ducato 17 160 Multijet](#)  
[Ducato '06 \[250\] - Ducato Maxi 17 160 Multijet](#)  
[Ducato '06 \[250\] - Ducato Maxi 20 160 Multijet](#)  
[Ducato '06 \[250\] - Ducato Maxi 20 130 Multijet](#)

[Ducato '06 \[250\] - Ducato Maxi 17 130 Multijet](#)  
[Ducato '06 \[250\] - Ducato 17 130 Multijet](#)  
[Ducato '06 \[250\] - Ducato 15 130 Multijet](#)  
[Ducato '06 \[250\] - Ducato 11 130 Multijet](#)  
[Ducato '06 \[250\] - Ducato 17 140 Natural Power](#)  
[Ducato '06 \[250\] - Ducato 20 150 Multijet](#)  
[Ducato '06 \[250\] - Ducato 20 160 Multijet](#)  
[Ducato '06 \[250\] - Ducato 17 150 Multijet](#)  
[Ducato '06 \[250\] - Ducato 20 140 Natural Power](#)  
[Ducato '08 \[244\] - Ducato 11 2.3 JTD](#)  
[Ducato '08 \[244\] - Ducato 15 2.3 JTD](#)  
[Ducato '08 \[244\] - Ducato 15 2.3 JTD EGR](#)  
[Ducato '08 \[244\] - Ducato 18 2.3 JTD](#)  
[Ducato '08 \[244\] - Ducato 18 2.3 JTD EGR](#)  
[Idea \[350\] - Idea 1.3 JTD 16V](#)  
[Idea \[350\] - Idea 1.4 16V](#)  
[Idea \[350\] - Idea 1.2 16V](#)  
[Idea \[350\] - Idea 1.9 JTD 8V](#)  
[Idea \[350\] - Idea 1.4 8V](#)  
[Idea \[350\] - Idea 1.6 JTD 16V](#)  
[Idea \[350\] - Idea 1.4 8V LPG](#)  
[Idea \[350\] - Idea 1.3 Multijet](#)  
[Linea \[110\] - Linea 1.4 i.e. 16V](#)  
[Panda '03 \[169\] - Panda 1.1 i.e.](#)  
[Panda '03 \[169\] - Panda 1.2 i.e.](#)  
[Panda '03 \[169\] - Panda 1.3 JTD](#)  
[Panda '03 \[169\] - Panda 1.2 i.e. 4x4](#)  
[Panda '03 \[169\] - Panda 1.3 JTD 4x4](#)  
[Panda '03 \[169\] - Panda 1.4 i.e. 16V](#)  
[Panda '03 \[169\] - Panda 1.2 i.e. Natural Power](#)  
[Panda '03 \[169\] - Panda 1.2 i.e. LPG](#)  
[Panda '09 \[169\] - Panda 1.2 LPG](#)  
[Panda '09 \[169\] - Panda 1.2 4x4](#)  
[Panda '09 \[169\] - Panda 1.1](#)  
[Panda '09 \[169\] - Panda 1.3 JTD](#)  
[Panda '09 \[169\] - Panda 1.3 JTD 4x4](#)  
[Panda '09 \[169\] - Panda 1.2 Natural Power](#)  
[Panda '09 \[169\] - Panda 1.4 Natural Power](#)  
[Panda '09 \[169\] - Panda 1.4](#)  
[Panda '09 \[169\] - Panda 1.2](#)  
[Panda '09 \[169\] - Panda 1.3 Multijet](#)  
[Panda '09 \[169\] - Panda 1.3 Multijet 4x4](#)  
[Punto '03 \[188\] - Punto 1.2 i.e. 8V](#)  
[Punto '03 \[188\] - Punto 1.2 i.e. 16V](#)  
[Punto '03 \[188\] - Punto 1.4 i.e. 16V](#)  
[Punto '03 \[188\] - Punto 1.8 i.e. 16V](#)  
[Punto '03 \[188\] - Punto 1.3 MJTD 16V](#)  
[Punto '03 \[188\] - Punto 1.9 JTD 8V](#)  
[Punto '03 \[188\] - Punto 1.2 Bipower](#)  
[Punto '03 \[188\] - Punto 1.2 LPG](#)  
[Punto '03 \[288\] Van - Punto 1.2i 8V Van](#)  
[Punto '03 \[288\] Van - Punto 1.9 JTD 8V Van](#)



[Punto '03 \[288\] Van - Punto 1.3 MJTD 16V Van](#)  
[Punto '03 \[288\] Van - Punto 1.2 Bipower Van](#)  
[Punto '03 \[288\] Van - Punto 1.2 LPG Van](#)  
[Punto '99 \[188\] - Punto 1.9 D](#)  
[Punto '99 \[188\] - Punto 1.9 JTD](#)  
[Punto '99 \[188\] - Punto 1.2i 8V](#)  
[Punto '99 \[188\] - Punto 1.2i 16V](#)  
[Punto '99 \[188\] - Punto 1.8i 16V](#)  
[Punto '99 \[188\] - Punto 1.2i 8V Bipower](#)  
[Punto '99 \[288\] Van - Punto 1.9 D Van](#)  
[Punto '99 \[288\] Van - Punto 1.2i 8V Van](#)  
[Punto '99 \[288\] Van - Punto 1.9 JTD Van](#)  
[Stilo '01 \[192\] - Stilo 1.6 16V](#)  
[Stilo '01 \[192\] - Stilo 2.4 20V](#)  
[Stilo '01 \[192\] - Stilo 1.9 JTD 8V](#)  
[Stilo '01 \[192\] - Stilo 1.8 16V](#)  
[Stilo '01 \[192\] - Stilo 1.2 16V](#)  
[Stilo '04 \[192\] - Stilo 1.6 16V](#)  
[Stilo '04 \[192\] - Stilo 1.9 JTD 8V](#)  
[Stilo '04 \[192\] - Stilo 2.4 20V](#)  
[Stilo '04 \[192\] - Stilo 1.8 16V](#)  
[Stilo '04 \[192\] - Stilo 1.9 JTD 16V](#)  
[Stilo '04 \[192\] - Stilo 1.4 16V](#)  
[Stilo Multi Wagon \[192\] - Stilo 1.8 16V S.W.](#)  
[Stilo Multi Wagon \[192\] - Stilo 1.6 16V S.W.](#)  
[Stilo Multi Wagon \[192\] - Stilo 1.9 JTD 8V S.W.](#)  
[Stilo Multi Wagon \[192\] - Stilo 1.4 16V S.W.](#)  
[Stilo Multi Wagon \[192\] - Stilo 1.9 JTD 16V S.W.](#)  
[Stilo Multi Wagon \[192\] - Stilo 2.4 20V S.W.](#)  
[Stilo Multi Wagon \[192\] - Stilo 1.6 16V S.W. Natural Power](#)  
[Strada \[278\] - Strada 1.9 JTD](#)  
[Strada \[278\] - Strada 1.9 D](#)  
[Strada \[278\] - Strada 1.3 JTD](#)

**FIAT Bravo '07 [198] - Bravo 1.9 Multijet**

Year	Engine	Liters	HP	System	Functions
2007/03 - 2009/12	192 A8.000	1.9	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2007/04 - 2009/12	937 A5.000	1.9	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Bravo '07 [198] - Bravo 1.4 16V**

Year	Engine	Liters	HP	System	Functions
2007/03 - 2009/12	192 B2.000	1.4	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Bravo '07 [198] - Bravo 1.4 Turbo 16V**

Year	Engine	Liters	HP	System	Functions
2007/07 - 2009/12	198 A1.000	1.4	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2007/10 - 2009/12	198 A4.000	1.4	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Bravo '07 [198] - Bravo 1.6 Multijet**

Year	Engine	Liters	HP	System	Functions
2007/10 - 2009/12	198 A3.000	1.6	105	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2008/03 - 2009/12	198 A2.000	1.6	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2008/11 - 2009/12	955 A4.000	1.6	116	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2009/02 - 2009/12	198 A6.000	1.6	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Bravo '07 [198] - Bravo 2.0 Multijet**

Year	Engine	Liters	HP	System	Functions
2008/10 - 2009/12	198 A5.000	2.0	165	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Bravo '07 [198] - Bravo 1.4 16V LPG**

Year	Engine	Liters	HP	System	Functions
2009/03 - 2009/12	192 B2.000	1.4	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Bravo '10 [198] - Bravo 1.4**

Year	Engine	Liters	HP	System	Functions
2010/03 -	192 B2.000	1.4	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Bravo '10 [198] - Bravo 1.4 LPG**

Year	Engine	Liters	HP	System	Functions
2010/03 -	192 B2.000	1.4	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Bravo '10 [198] - Bravo 1.4 Turbo**

Year	Engine	Liters	HP	System	Functions
2010/03 -	198 A4.000	1.4	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Bravo '10 [198] - Bravo 1.6 Multijet**

Year	Engine	Liters	HP	System	Functions
2010/03 -	198 A6.000	1.6	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Bravo '10 [198] - Bravo 2.0 Multijet**

Year	Engine	Liters	HP	System	Functions
2010/03 -	198 A...	2.0	163	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Cromo '05 [194] - Cromo 2.2 i.e.**

Year	Engine	Liters	HP	System	Functions
2005/06 - 2010/12	194 A1.000	2.2	147	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Cromo '05 [194] - Cromo 1.9 JTD 8V**

Year	Engine	Liters	HP	System	Functions
2005/06 - 2010/12	939 A1.000	1.9	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Cromo '05 [194] - Cromo 1.9 JTD 16V**

Year	Engine	Liters	HP	System	Functions
2005/06 - 2010/12	939 A2.000	1.9	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2006/12 - 2010/12	939 A8.000	1.9	136	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Cromo '05 [194] - Cromo 2.4 JTD**

Year	Engine	Liters	HP	System	Functions
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Year	Engine	Liters	HP	System	Functions
2005/06 - 2010/12	939 A3.000	2.4	200	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Croma '05 [194] - Croma 1.8 i.e.					
Year	Engine	Liters	HP	System	Functions
2005/06 - 2010/12	939 A4.000	1.8	140	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Doblo '00 [223] - Doblo 1.2 i.e. 8V					
Year	Engine	Liters	HP	System	Functions
2000/07 - 2005/09	223 A5.000	1.2	65	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Doblo '00 [223] - Doblo 1.9 D					
Year	Engine	Liters	HP	System	Functions
2000/07 - 2005/09	223 A6.000	1.9	63	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Doblo '00 [223] - Doblo 1.9 JTD					
Year	Engine	Liters	HP	System	Functions
2001/10 - 2004/01	182 B9.000	1.9	100	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>
2002/11 - 2005/09	223 A7.000	1.9	105	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Doblo '00 [223] - Doblo 1.6 i.e. 16V					
Year	Engine	Liters	HP	System	Functions
2001/10 - 2005/09	182 B6.000	1.6	103	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Doblo '00 [223] - Doblo 1.6 i.e. 16V Bipower					
Year	Engine	Liters	HP	System	Functions
2003/01 - 2005/09	182 B6.000	1.6	92 - 103	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Doblo '00 [223] - Doblo 1.3 JTD 16V					
Year	Engine	Liters	HP	System	Functions
2004/02 - 2005/09	188 A9.000	1.3	69	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Doblo '05 [223] - Doblo 1.6 i.e. 16V Bipower					
Year	Engine	Liters	HP	System	Functions
2005/10 - 2010/12	182 B6.000	1.6	103	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo '05 [223] - Doblo 1.9 Multijet					
Year	Engine	Liters	HP	System	Functions
2005/10 - 2010/12	186 A9.000	1.9	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo '05 [223] - Doblo 1.3 Multijet					
Year	Engine	Liters	HP	System	Functions
2005/10 - 2010/12	199 A2.000	1.3	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo '05 [223] - Doblo 1.4 i.e.					
Year	Engine	Liters	HP	System	Functions
2005/10 - 2010/12	350 A1.000	1.4	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo Cargo '00 [223] - Doblo Cargo 1.9 D					
Year	Engine	Liters	HP	System	Functions
2000/07 - 2005/09	223 A6.000	1.9	63	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo Cargo '00 [223] - Doblo Cargo 1.9 JTD					
Year	Engine	Liters	HP	System	Functions
2001/10 - 2004/01	182 B9.000	1.9	100	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2002/11 - 2005/09	223 A7.000	1.9	105	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo Cargo '00 [223] - Doblo Cargo 1.2 i.e. 8V					
Year	Engine	Liters	HP	System	Functions
2000/07 - 2005/09	223 A5.000	1.2	64	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo Cargo '00 [223] - Doblo Cargo 1.6 i.e. 16V					
Year	Engine	Liters	HP	System	Functions

2001/10 - 2005/09	182 B6.000	1.6	103	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
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FIAT Doblo Cargo '00 [223] - Doblo Cargo 1.6 i.e. 16V Bipower					
Year	Engine	Liters	HP	System	Functions
2003/01 - 2005/09	182 B6.000	1.6	92 - 103	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo Cargo '00 [223] - Doblo Cargo 1.3 JTD 16V					
Year	Engine	Liters	HP	System	Functions
2004/02 - 2005/09	188 A9.000	1.3	69	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo Cargo '05 [223] - Doblo Cargo 1.6 i.e. 16V Bipower					
Year	Engine	Liters	HP	System	Functions
2005/10 - 2010/12	182 B6.000	1.6	103	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo Cargo '05 [223] - Doblo Cargo 1.9 Multijet					
Year	Engine	Liters	HP	System	Functions
2005/10 - 2010/12	223 B2.000	1.9	101	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo Cargo '05 [223] - Doblo Cargo 1.3 Multijet					
Year	Engine	Liters	HP	System	Functions
2005/10 - 2010/12	199 A2.000	1.3	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Doblo Cargo '05 [223] - Doblo Cargo 1.4 i.e.					
Year	Engine	Liters	HP	System	Functions
2005/10 - 2010/12	350 A1.000	1.4	78	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 11 100 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	4HV	2.2	100	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 15 100 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	4HV	2.2	100	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 17 100 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	4HV	2.2	100	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato Maxi 17 120 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1AE0481D	2.3	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato Maxi 20 120 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1AE0481D	2.3	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 11 120 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1AE0481D	2.3	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 11 160 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1CE0481D	3.0	158	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 15 120 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1AE0481D	2.3	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 15 160 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1CE0481D	3.0	158	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 17 120 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1AE0481D	2.3	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 17 160 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1CE0481D	3.0	158	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato Maxi 17 160 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1CE0481D	3.0	158	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato Maxi 20 160 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1CE0481D	3.0	158	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato Maxi 20 130 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1AE0481N	2.3	131	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato Maxi 17 130 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1AE0481N	2.3	131	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 17 130 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1AE0481N	2.3	131	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 15 130 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1AE0481N	2.3	131	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 11 130 Multijet					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1AE0481N	2.3	131	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 17 140 Natural Power					
Year	Engine	Liters	HP	System	Functions
2006/06 -	F1CE0441A	3.0	136	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 20 150 Multijet					
Year	Engine	Liters	HP	System	Functions
2010/09 -	F1CE3481N	3.0	146	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration



FIAT Ducato '06 [250] - Ducato 20 160 Multijet					
Year	Engine	Liters	HP	System	Functions
2010/09 -	F1CE3481M	3.0	156	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 17 150 Multijet					
Year	Engine	Liters	HP	System	Functions
2010/04 -	F1CE3481N	3.0	146	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '06 [250] - Ducato 20 140 Natural Power					
Year	Engine	Liters	HP	System	Functions
2009/09 -	F1CE0441A	3.0	136	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '08 [244] - Ducato 11 2.3 JTD					
Year	Engine	Liters	HP	System	Functions
2008/01 -	F1AE0481C	2.3	110	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '08 [244] - Ducato 15 2.3 JTD					
Year	Engine	Liters	HP	System	Functions
2008/01 -	F1AE0481C	2.3	110	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '08 [244] - Ducato 15 2.3 JTD EGR					
Year	Engine	Liters	HP	System	Functions
2008/01 -	F1AE0481C	2.3	110	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '08 [244] - Ducato 18 2.3 JTD					
Year	Engine	Liters	HP	System	Functions
2008/01 -	F1AE0481C	2.3	110	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Ducato '08 [244] - Ducato 18 2.3 JTD EGR					
Year	Engine	Liters	HP	System	Functions
2008/01 -	F1AE0481C	2.3	110	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Idea [350] - Idea 1.3 JTD 16V					
Year	Engine	Liters	HP	System	Functions
2004/01 -	188 A9.000	1.3	69	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

2004/11 -	199 A3.000	1.3	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
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FIAT Idea [350] - Idea 1.4 16V					
Year	Engine	Liters	HP	System	Functions
2004/01 - 2012/12	843 A1.000	1.4	95	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Idea [350] - Idea 1.2 16V					
Year	Engine	Liters	HP	System	Functions
2004/01 - 2012/12	188 A5.000	1.2	80	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Idea [350] - Idea 1.9 JTD 8V					
Year	Engine	Liters	HP	System	Functions
2004/01 -	188 B2.000	1.9	100	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Idea [350] - Idea 1.4 8V					
Year	Engine	Liters	HP	System	Functions
2004/11 - 2012/12	350 A1.000	1.4	78	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Idea [350] - Idea 1.6 JTD 16V					
Year	Engine	Liters	HP	System	Functions
2008/04 -	350 A2.000	1.6	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Idea [350] - Idea 1.4 8V LPG					
Year	Engine	Liters	HP	System	Functions
2008/09 - 2012/12	350 A1.000	1.4	78	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Idea [350] - Idea 1.3 Multijet					
Year	Engine	Liters	HP	System	Functions
2008/05 -	199 B1.000	1.3	95	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Linea [110] - Linea 1.4 i.e. 16V					
Year	Engine	Liters	HP	System	Functions
2008/12 -	199 A3.000	1.4	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Panda '03 [169] - Panda 1.1 i.e.

Year	Engine	Liters	HP	System	Functions
2003/10 - 2009/12	187 A1.000	1.1	54	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Panda '03 [169] - Panda 1.2 i.e.

Year	Engine	Liters	HP	System	Functions
2003/10 - 2009/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Panda '03 [169] - Panda 1.3 JTD

Year	Engine	Liters	HP	System	Functions
2004/01 - 2009/12	188 A8.000	1.3	70	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2006/05 - 2009/12	169 A1.000	1.3	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Panda '03 [169] - Panda 1.2 i.e. 4x4

Year	Engine	Liters	HP	System	Functions
2004/10 - 2009/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Panda '03 [169] - Panda 1.3 JTD 4x4

Year	Engine	Liters	HP	System	Functions
2005/09 - 2009/12	188 A8.000	1.3	70	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Panda '03 [169] - Panda 1.4 i.e. 16V

Year	Engine	Liters	HP	System	Functions
2006/10 - 2009/12	169 A3.000	1.4	101	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Panda '03 [169] - Panda 1.2 i.e. Natural Power

Year	Engine	Liters	HP	System	Functions
2006/12 - 2009/12	188 A4.000	1.2	52 - 60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Panda '03 [169] - Panda 1.2 i.e. LPG

Year	Engine	Liters	HP	System	Functions
2006/12 -	188 A4.000	1.2	52 -	Special systems	• <b>Adjustments / settings</b>

2009/12			60	Configuration alignment 2.0	- Vehicle configuration
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FIAT Panda '09 [169] - Panda 1.2 LPG					
Year	Engine	Liters	HP	System	Functions
2009/01 - 2012/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Panda '09 [169] - Panda 1.2 4x4					
Year	Engine	Liters	HP	System	Functions
2009/01 - 2010/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2010/09 - 2012/12	169 A4.000	1.2	69	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Panda '09 [169] - Panda 1.1					
Year	Engine	Liters	HP	System	Functions
2009/01 - 2011/12	187 A1.000	1.1	53	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Panda '09 [169] - Panda 1.3 JTD					
Year	Engine	Liters	HP	System	Functions
2009/01 - 2010/09	188 A8.000	1.3	71	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Panda '09 [169] - Panda 1.3 JTD 4x4					
Year	Engine	Liters	HP	System	Functions
2009/01 - 2010/09	188 A8.000	1.3	71	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Panda '09 [169] - Panda 1.2 Natural Power					
Year	Engine	Liters	HP	System	Functions
2009/01 - 2010/12	188 A4.000	1.2	52	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Panda '09 [169] - Panda 1.4 Natural Power					
Year	Engine	Liters	HP	System	Functions
2010/09 - 2012/12	350 A1.000	1.4	69 - 78	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Panda '09 [169] - Panda 1.4					
Year	Engine	Liters	HP	System	Functions

2009/01 - 2010/09	169 A3.000	1.4	101	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
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FIAT Panda '09 [169] - Panda 1.2					
Year	Engine	Liters	HP	System	Functions
2010/09 - 2012/12	169 A4.000	1.2	69	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2009/01 - 2011/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Panda '09 [169] - Panda 1.3 Multijet					
Year	Engine	Liters	HP	System	Functions
2010/03 - 2012/12	169 A5.000	1.3	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Panda '09 [169] - Panda 1.3 Multijet 4x4					
Year	Engine	Liters	HP	System	Functions
2010/03 - 2012/12	169 A5.000	1.3	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Punto '03 [188] - Punto 1.2 i.e. 8V					
Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Punto '03 [188] - Punto 1.2 i.e. 16V					
Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	188 A5.000	1.2	80	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Punto '03 [188] - Punto 1.4 i.e. 16V					
Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	843 A1.000	1.4	95	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Punto '03 [188] - Punto 1.8 i.e. 16V					
Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	188 A6.000	1.8	131	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Punto '03 [188] - Punto 1.3 MJTD 16V

Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	188 A9.000	1.3	70	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Punto '03 [188] - Punto 1.9 JTD 8V

Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	188 A7.000	1.9	85	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Punto '03 [188] - Punto 1.2 Bipower

Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Punto '03 [188] - Punto 1.2 LPG

Year	Engine	Liters	HP	System	Functions
2007/08 - 2010/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Punto '03 [288] Van - Punto 1.2i 8V Van

Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Punto '03 [288] Van - Punto 1.9 JTD 8V Van

Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	188 A7.000	1.9	85	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Punto '03 [288] Van - Punto 1.3 MJTD 16V Van

Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	188 A9.000	1.3	69	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Punto '03 [288] Van - Punto 1.2 Bipower Van

Year	Engine	Liters	HP	System	Functions
2003/07 - 2010/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## FIAT

## Punto '03 [288] Van - Punto 1.2 LPG Van

Year	Engine	Liters	HP	System	Functions
2007/08 - 2010/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Punto '99 [188] - Punto 1.9 D					
Year	Engine	Liters	HP	System	Functions
1999/07 - 2003/06	188 A3.000	1.9	60	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Punto '99 [188] - Punto 1.9 JTD					
Year	Engine	Liters	HP	System	Functions
1999/07 - 2003/06	188 A2.000	1.9	80	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>
2001/06 - 2003/06	188 A7.000	1.9	85	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Punto '99 [188] - Punto 1.2i 8V					
Year	Engine	Liters	HP	System	Functions
1999/07 - 2003/06	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Punto '99 [188] - Punto 1.2i 16V					
Year	Engine	Liters	HP	System	Functions
2000/10 - 2003/06	188 A5.000	1.2	80	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>
1999/07 - 2003/06	188 A5.000	1.2	80	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Punto '99 [188] - Punto 1.8i 16V					
Year	Engine	Liters	HP	System	Functions
1999/07 - 2003/06	183 A1.000	1.8	131	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>
2000/09 - 2003/06	188 A6.000	1.8	131	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

FIAT Punto '99 [188] - Punto 1.2i 8V Bipower					
Year	Engine	Liters	HP	System	Functions
2002/11 - 2003/06	188 A4.000	1.2	80	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b></li> <li>- Vehicle configuration</li> </ul>

**FIAT Punto '99 [288] Van - Punto 1.9 D Van**

Year	Engine	Liters	HP	System	Functions
1999/05 - 2003/06	188 A3.000	1.9	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Punto '99 [288] Van - Punto 1.2i 8V Van**

Year	Engine	Liters	HP	System	Functions
1999/07 - 2003/06	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Punto '99 [288] Van - Punto 1.9 JTD Van**

Year	Engine	Liters	HP	System	Functions
1999/05 - 2003/06	188 A7.000	1.9	85	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Stilo '01 [192] - Stilo 1.6 16V**

Year	Engine	Liters	HP	System	Functions
2001/10 - 2003/12	182 B6.000	1.6	103	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Stilo '01 [192] - Stilo 2.4 20V**

Year	Engine	Liters	HP	System	Functions
2001/10 - 2003/12	192 A2.000	2.4	170	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Stilo '01 [192] - Stilo 1.9 JTD 8V**

Year	Engine	Liters	HP	System	Functions
2001/10 - 2003/12	192 A1.000	1.9	115	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Stilo '01 [192] - Stilo 1.8 16V**

Year	Engine	Liters	HP	System	Functions
2001/10 - 2003/12	192 A4.000	1.8	133	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Stilo '01 [192] - Stilo 1.2 16V**

Year	Engine	Liters	HP	System	Functions
2001/10 - 2003/12	188 A5.000	1.2	80	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT Stilo '04 [192] - Stilo 1.6 16V**



Year	Engine	Liters	HP	System	Functions
2004/01 - 2007/12	182 B6.000	1.6	103	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2005/07 - 2007/12	192 B3.000	1.6	105	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT** **Stilo '04 [192] - Stilo 1.9 JTD 8V**

Year	Engine	Liters	HP	System	Functions
2004/01 - 2007/12	192 A1.000	1.9	115	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2005/07 - 2007/12	192 A8.000	1.9	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2005/10 - 2007/12	192 B5.000	1.9	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT** **Stilo '04 [192] - Stilo 2.4 20V**

Year	Engine	Liters	HP	System	Functions
2004/01 - 2007/12	192 A2.000	2.4	170	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT** **Stilo '04 [192] - Stilo 1.8 16V**

Year	Engine	Liters	HP	System	Functions
2004/01 - 2007/12	192 A4.000	1.8	133	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT** **Stilo '04 [192] - Stilo 1.9 JTD 16V**

Year	Engine	Liters	HP	System	Functions
2004/01 - 2007/12	192 A5.000	1.9	140	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2005/07 - 2007/12	937 A5.000	1.9	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT** **Stilo '04 [192] - Stilo 1.4 16V**

Year	Engine	Liters	HP	System	Functions
2004/01 - 2007/12	192 B2.000	1.4	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

**FIAT** **Stilo Multi Wagon [192] - Stilo 1.8 16V S.W.**

Year	Engine	Liters	HP	System	Functions
2002/10				Special systems	• <b>Adjustments / settings</b>

- 2007/12	192 A4.000	1.8	133	Configuration alignment 2.0	- Vehicle configuration
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FIAT Stilo Multi Wagon [192] - Stilo 1.6 16V S.W.					
Year	Engine	Liters	HP	System	Functions
2002/10 - 2007/12	182 B6.000	1.6	103	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2005/07 - 2007/12	192 B3.000	1.6	105	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Stilo Multi Wagon [192] - Stilo 1.9 JTD 8V S.W.					
Year	Engine	Liters	HP	System	Functions
2002/10 - 2007/12	192 A1.000	1.9	115	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2004/09 - 2007/12	192 A9.000	1.9	100	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2005/07 - 2007/12	192 A8.000	1.9	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2005/10 - 2007/12	192 B5.000	1.9	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Stilo Multi Wagon [192] - Stilo 1.4 16V S.W.					
Year	Engine	Liters	HP	System	Functions
2004/01 - 2007/12	843 A1.000	1.4	95	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2004/09 - 2007/12	192 B2.000	1.4	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Stilo Multi Wagon [192] - Stilo 1.9 JTD 16V S.W.					
Year	Engine	Liters	HP	System	Functions
2004/01 - 2007/12	192 A5.000	1.9	140	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2004/09 - 2007/12	192 B1.000	1.9	136	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2005/07 - 2007/12	937 A5.000	1.9	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Stilo Multi Wagon [192] - Stilo 2.4 20V S.W.					
Year	Engine	Liters	HP	System	Functions
2004/01 -	192 A2.000	2.4	170	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

2007/12					
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FIAT Stilo Multi Wagon [192] - Stilo 1.6 16V S.W. Natural Power					
Year	Engine	Liters	HP	System	Functions
2006/04 - 2007/12	182 B6.000	1.6	103	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Strada [278] - Strada 1.9 JTD					
Year	Engine	Liters	HP	System	Functions
2003/04 - 2005/06	188 A2.000	1.9	80	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Strada [278] - Strada 1.9 D					
Year	Engine	Liters	HP	System	Functions
2003/04 - 2005/06	223 A6.000	1.9	63	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

FIAT Strada [278] - Strada 1.3 JTD					
Year	Engine	Liters	HP	System	Functions
2005/07 -	223 A9.000	1.3	86	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

[Civic Hatchback \[EU/EP\] - Civic 1.7 CTDi Hatchback](#)

Year	Engine	Liters	HP	System	Functions
2002/01 - 2005/12	4EE2	1.7	101	Engine control Diesel EDC 15C7	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Idle speed comparison</li> <li>- Quantities comparison</li> <li>- Compression test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Contact switch</li> <li>- Exh.gases recirc.: pulse-duty factor</li> <li>- Battery voltage</li> <li>- Driving speed</li> <li>- Air conditioner electromagnetic clutch - compressor</li> <li>- Engine revolution</li> <li>- atmospheric pressure</li> <li>- turbo charger pressure</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- air mass</li> <li>- Clutch switch</li> <li>- Engine temperature</li> <li>- warming up relay</li> <li>- injected fuel quantity</li> <li>- Rail pressure, actual</li> <li>- Fuel quantity metering device pulse-duty factor</li> <li>- MIL-Status</li> <li>- pedal position sensor 1</li> <li>- pedal position sensor 2</li> <li>- Acceleration pedal position sensor 1 (V)</li> <li>- Working mode: preheating time control</li> <li>- Duty cycle load pressure control</li> <li>- Intake-air temperature sensor 2</li> <li>- Additional heater 1</li> <li>- Additional heater 2</li> <li>- Supplementary heater status</li> <li>- Average rail pressure</li> </ul> </li> </ul>

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Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> </ul> </li> </ul>

2011/07 -	F1AE3481A...	2.3	106	<p>Central electronics Central electronics 4.0</p>	<ul style="list-style-type: none"> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul> <hr/> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> <li>- Start/stop function</li> <li>- Rear door locking relay</li> <li>- Hatchback unlocking relay</li> <li>- Wiper actuation</li> <li>- Brake pad condition</li> <li>- Headlights washer system</li> <li>- Backup light</li> <li>- Windscreen washer system switch</li> <li>- Driver door window lifter switch</li> <li>- Rear window defroster key button</li> <li>- Left bending light</li> <li>- Right bending light</li> <li>- Wiper switch</li> <li>- Driver's window lifter switch for passenger window</li> <li>- Trailer turn signal indicator</li> <li>- Alarm horn battery</li> <li>- Sliding door</li> <li>- Reverse gear status</li> <li>- Hazard warning system button</li> <li>- Air filter</li> <li>- Fuel filter</li> </ul> </li> </ul>
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- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> </ul> </li> </ul>

2011/07 -	F1AE3481A...	2.3	106	<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> </ul> </li> </ul>

Airbag  
Airbag AB 4.0

- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Resistance Front airbag driver side
- Resistance Front airbag front passenger side
- Front belt pretensioner releases
- Front center belt tensioner
- Deactivation switch AB BFS
- Control light airbag front passenger side
- Front side airbag triggering operations
- Resistance deactivation switch airbag passenger's side
- Driver side window airbag ignition circuit resistance
- Passenger side window airbag ignition circuit resistance
- **Actuators**
  - Airbag control light
  - Front passen. airbag warning lamp

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Mileage
  - Coolant temperature
  - Failure lamp
  - Engine revolution
  - The ambient temperature
  - system power supply
  - Exhausted gases signal lamp
  - Instrument panel illumination
  - Fuel level in the tank
  - Immobilizer warning light
  - Engine management system error lights
  - Coolant level, warning
  - Cooling agent temperature control light
  - Oil pressure control lamp
  - Driver belt warning control light
  - Airbag warning lamp
  - ABS control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Fuel level warning lamp
  - ESP fault lamp
  - Button Mode +
  - Button Mode -
  - Glow control light
  - Generator control light
  - Position headlight range regulation
  - Signal volume
  - Tempomat-control light
  - Door open warning light
  - Seat belt warning buzzer
  - Water in fuel warning lamp
  - MODE button status
  - Button volume
  - Control light airbag front passenger side
  - Parking brake, control light
  - Particle filter control light
  - Side lights, control light
  - Headlight range control adjustment button +
  - Headlight range control adjustment button -
  - Exterior lighting fault warning lamp
  - Retarder mode
  - Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

• **Identification**

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Central electronics  
Central electronics 4.0

- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side
  - Rear fog light
  - Left-rear door
  - Right rear door
  - Trunk top
  - Ignition key position
  - Fog light
  - Central locking system
  - Rear screen wiper
  - Engine status
  - Stop light switch 1
  - Stop light switch 2
  - Indicators switch
  - Reg. number illumination
  - Fog light switch
  - Front windscreen washer
  - Brake lights
  - Start/stop function
  - Rear door locking relay
  - Hatchback unlocking relay
  - Wiper actuation
  - Brake pad condition
  - Headlights washer system
  - Backup light
  - Windscreen washer system switch
  - Driver door window lifter switch
  - Rear window defroster key button
  - Left bending light
  - Right bending light
  - Wiper switch
  - Driver's window lifter switch for passenger window
  - Trailer turn signal indicator
  - Alarm horn battery
  - Sliding door
  - Reverse gear status
  - Hazard warning system button
  - Air filter
  - Fuel filter
  - Power take-off status
  - Rear central locking system
  - Central locking relay
  - Power window switch, passenger
  - Horn input signal
  - Alarm siren
  - Side lights, control light
  - Start/Stop button
- **Actuators**
  - Brake lights

- License plates illuminating lamp
- Rear fog lights
- Backup light
- Fog light
- Low beam light
- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

**IVECO** **Daily 2012 - Daily 29 L 13**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> </ul> </li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> </ul> </li> </ul>
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2011/07 -	F1AE3481B...	2.3	126	Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's</li> </ul> </li> </ul>



				<p>side</p> <ul style="list-style-type: none"> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> <p><b>• Actuators</b></p> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul>
			<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Error memory</b></li> <li><b>• Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> </ul> </li> <li><b>• Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul>
<p>2011/07 -</p>	<p>F1AE3481B...</p>	<p>2.3</p>	<p>126</p>	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li><b>• Error memory</b></li> <li><b>• Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Engine revolution
- cruise control switch
- brake fluid level
- Collision signal
- Instrument panel illumination
- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights

- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

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Year	Engine	Liters	HP	System	Functions
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Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - system power supply
  - Airbag warning lamp
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Resistance Front airbag driver side
  - Resistance Front airbag front passenger side
  - Front belt pretensioner releases
  - Front center belt tensioner
  - Deactivation switch AB BFS
  - Control light airbag front passenger side
  - Front side airbag triggering operations
  - Resistance deactivation switch airbag passenger's side
  - Driver side window airbag ignition circuit resistance
  - Passenger side window airbag ignition circuit resistance
- **Actuators**
  - Airbag control light
  - Front passen. airbag warning lamp

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Mileage
  - Coolant temperature
  - Failure lamp
  - Engine revolution
  - The ambient temperature
  - system power supply
  - Exhausted gases signal lamp
  - Instrument panel illumination
  - Fuel level in the tank
  - Immobilizer warning light
  - Engine management system error lights
  - Coolant level, warning
  - Cooling agent temperature control light
  - Oil pressure control lamp
  - Driver belt warning control light
  - Airbag warning lamp
  - ABS control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Fuel level warning lamp
  - ESP fault lamp
  - Button Mode +
  - Button Mode -
  - Glow control light
  - Generator control light
  - Position headlight range regulation

2011/07  
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F1AE3481B...

2.3

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Central electronics  
Central electronics 4.0

- Signal volume
- Tempomat-control light
- Door open warning light
- Seat belt warning buzzer
- Water in fuel warning lamp
- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side
  - Rear fog light
  - Left-rear door
  - Right rear door
  - Trunk top
  - Ignition key position
  - Fog light
  - Central locking system
  - Rear screen wiper
  - Engine status
  - Stop light switch 1
  - Stop light switch 2
  - Indicators switch
  - Reg. number illumination
  - Fog light switch
  - Front windscreen washer
  - Brake lights
  - Start/stop function
  - Rear door locking relay
  - Hatchback unlocking relay
  - Wiper actuation
  - Brake pad condition
  - Headlights washer system
  - Backup light
  - Windscreen washer system switch
  - Driver door window lifter switch
  - Rear window defroster key button

- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
- Brake lights
- License plates illuminating lamp
- Rear fog lights
- Backup light
- Fog light
- Low beam light
- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

**IVECO Daily 2012 - Daily 29 L 15**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> <li>resistance</li> <li>• <b>Actuators</b></li> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>

2011/07	F1AE3481C..	2.3	199	<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b></li> <li>- Self test</li> <li>- Warning buzzer</li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Read configuration</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> </ul>

Central electronics  
Central electronics 4.0

- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> </ul> </li> </ul>



2011/07	F1CE3481...	3.0	146	<p>Central electronics Central electronics 4.0</p>	<ul style="list-style-type: none"> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul> <hr/> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> <li>- Start/stop function</li> <li>- Rear door locking relay</li> <li>- Hatchback unlocking relay</li> <li>- Wiper actuation</li> <li>- Brake pad condition</li> <li>- Headlights washer system</li> <li>- Backup light</li> <li>- Windscreen washer system switch</li> <li>- Driver door window lifter switch</li> <li>- Rear window defroster key button</li> <li>- Left bending light</li> <li>- Right bending light</li> <li>- Wiper switch</li> <li>- Driver's window lifter switch for passenger window</li> <li>- Trailer turn signal indicator</li> <li>- Alarm horn battery</li> <li>- Sliding door</li> <li>- Reverse gear status</li> <li>- Hazard warning system button</li> </ul> </li> </ul>
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- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - system power supply
  - Airbag warning lamp
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Resistance Front airbag driver side
  - Resistance Front airbag front passenger side
  - Front belt pretensioner releases
  - Front center belt tensioner
  - Deactivation switch AB BFS
  - Control light airbag front passenger side
  - Front side airbag triggering operations
  - Resistance deactivation switch airbag passenger's side
  - Driver side window airbag ignition circuit resistance
  - Passenger side window airbag ignition circuit resistance
- **Actuators**
  - Airbag control light
  - Front passen. airbag warning lamp

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Mileage
  - Coolant temperature
  - Failure lamp
  - Engine revolution
  - The ambient temperature
  - system power supply
  - Exhausted gases signal lamp
  - Instrument panel illumination
  - Fuel level in the tank
  - Immobilizer warning light
  - Engine management system error lights
  - Coolant level, warning

2012/07 -	F1AE3481C*A034...	2.3	146	<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> </ul> </li> </ul>

<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> <p><b>• Actuators</b></p> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Error memory</b></li> <li><b>• Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> </ul> </li> </ul> <p><b>• Actuators</b></p> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul>
	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li><b>• Error memory</b></li> </ul>

2011/07

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146

Central electronics  
Central electronics 4.0

• **Current values**

- Air compressor request
- Power supply
- Vehicle driving speed
- Parking brake
- Coolant level
- Engine revolution
- cruise control switch
- brake fluid level
- Collision signal
- Instrument panel illumination
- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button

• **Actuators**

- Brake lights
- License plates illuminating lamp
- Rear fog lights
- Backup light
- Fog light

- Low beam light
- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

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Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> </ul> </li> </ul>

2011/07	F1CE3481...	3.0	146		<ul style="list-style-type: none"> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Central electronics	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> <li>- Start/stop function</li> <li>- Rear door locking relay</li> <li>- Hatchback unlocking relay</li> <li>- Wiper actuation</li> </ul> </li> </ul>



Central electronics 4.0

- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
- Brake lights
- License plates illuminating lamp
- Rear fog lights
- Backup light
- Fog light
- Low beam light
- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

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Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> <li>• <b>Actuators</b></li> </ul>

					<ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul>
				<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul>
2011/07	F1CE3481J...	3.0	146		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing

- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

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Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> </ul> </li> </ul>
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Central electronics  
Central electronics 4.0

- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side
  - Rear fog light
  - Left-rear door
  - Right rear door
  - Trunk top
  - Ignition key position
  - Fog light
  - Central locking system
  - Rear screen wiper
  - Engine status
  - Stop light switch 1
  - Stop light switch 2
  - Indicators switch
  - Reg. number illumination
  - Fog light switch
  - Front windscreen washer
  - Brake lights
  - Start/stop function
  - Rear door locking relay
  - Hatchback unlocking relay
  - Wiper actuation
  - Brake pad condition
  - Headlights washer system
  - Backup light
  - Windscreen washer system switch
  - Driver door window lifter switch
  - Rear window defroster key button
  - Left bending light
  - Right bending light
  - Wiper switch
  - Driver's window lifter switch for passenger window
  - Trailer turn signal indicator

- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> </ul> </li> </ul>

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Instrument cluster  
Instrument cluster 4.0

- Engine revolution
- The ambient temperature
- system power supply
- Exhausted gases signal lamp
- Instrument panel illumination
- Fuel level in the tank
- Immobilizer warning light
- Engine management system error lights
- Coolant level, warning
- Cooling agent temperature control light
- Oil pressure control lamp
- Driver belt warning control light
- Airbag warning lamp
- ABS control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Fuel level warning lamp
- ESP fault lamp
- Button Mode +
- Button Mode -
- Glow control light
- Generator control light
- Position headlight range regulation
- Signal volume
- Tempomat-control light
- Door open warning light
- Seat belt warning buzzer
- Water in fuel warning lamp
- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side

Central electronics  
Central electronics 4.0

- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

Year	Engine	Liters	HP	System	Functions
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Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - system power supply
  - Airbag warning lamp
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Resistance Front airbag driver side
  - Resistance Front airbag front passenger side
  - Front belt pretensioner releases
  - Front center belt tensioner
  - Deactivation switch AB BFS
  - Control light airbag front passenger side
  - Front side airbag triggering operations
  - Resistance deactivation switch airbag passenger's side
  - Driver side window airbag ignition circuit resistance
  - Passenger side window airbag ignition circuit resistance
- **Actuators**
  - Airbag control light
  - Front passen. airbag warning lamp

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Mileage
  - Coolant temperature
  - Failure lamp
  - Engine revolution
  - The ambient temperature
  - system power supply
  - Exhausted gases signal lamp
  - Instrument panel illumination
  - Fuel level in the tank
  - Immobilizer warning light
  - Engine management system error lights
  - Coolant level, warning
  - Cooling agent temperature control light
  - Oil pressure control lamp
  - Driver belt warning control light
  - Airbag warning lamp
  - ABS control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Fuel level warning lamp
  - ESP fault lamp
  - Button Mode +
  - Button Mode -
  - Glow control light
  - Generator control light
  - Position headlight range regulation
  - Signal volume
  - Tempomat-control light
  - Door open warning light
  - Seat belt warning buzzer
  - Water in fuel warning lamp
  - MODE button status
  - Button volume
  - Control light airbag front passenger side
  - Parking brake, control light
  - Particle filter control light
  - Side lights, control light
  - Headlight range control adjustment button +
  - Headlight range control adjustment button -
  - Exterior lighting fault warning lamp
  - Retarder mode

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Central electronics  
Central electronics 4.0

- Air suspension warning lamp red

• **Actuators**

- Self test
- Warning buzzer

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Read configuration

• **Error memory**

• **Current values**

- Air compressor request
- Power supply
- Vehicle driving speed
- Parking brake
- Coolant level
- Engine revolution
- cruise control switch
- brake fluid level
- Collision signal
- Instrument panel illumination
- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger

- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> </ul> </li> </ul>
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Instrument cluster  
 Instrument cluster 4.0

- Oil pressure control lamp
- Driver belt warning control light
- Airbag warning lamp
- ABS control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Fuel level warning lamp
- ESP fault lamp
- Button Mode +
- Button Mode -
- Glow control light
- Generator control light
- Position headlight range regulation
- Signal volume
- Tempomat-control light
- Door open warning light
- Seat belt warning buzzer
- Water in fuel warning lamp
- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
- Self test
- Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
- Read configuration
- **Error memory**
- **Current values**
- Air compressor request
- Power supply
- Vehicle driving speed
- Parking brake
- Coolant level
- Engine revolution
- cruise control switch
- brake fluid level
- Collision signal
- Instrument panel illumination
- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1

Central electronics  
Central electronics 4.0

- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> </ul> </li> </ul>

<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> <p><b>• Actuators</b></p> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Error memory</b></li> <li><b>• Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> </ul> </li> </ul> <p><b>• Actuators</b></p> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul>
	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li><b>• Error memory</b></li> </ul>

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Central electronics  
Central electronics 4.0

• **Current values**

- Air compressor request
- Power supply
- Vehicle driving speed
- Parking brake
- Coolant level
- Engine revolution
- cruise control switch
- brake fluid level
- Collision signal
- Instrument panel illumination
- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button

• **Actuators**

- Brake lights
- License plates illuminating lamp
- Rear fog lights
- Backup light
- Fog light

- Low beam light
- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

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Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> </ul> </li> </ul>
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Central electronics

- ESP fault lamp
- Button Mode +
- Button Mode -
- Glow control light
- Generator control light
- Position headlight range regulation
- Signal volume
- Tempomat-control light
- Door open warning light
- Seat belt warning buzzer
- Water in fuel warning lamp
- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side
  - Rear fog light
  - Left-rear door
  - Right rear door
  - Trunk top
  - Ignition key position
  - Fog light
  - Central locking system
  - Rear screen wiper
  - Engine status
  - Stop light switch 1
  - Stop light switch 2
  - Indicators switch
  - Reg. number illumination
  - Fog light switch
  - Front windscreen washer
  - Brake lights
  - Start/stop function
  - Rear door locking relay
  - Hatchback unlocking relay
  - Wiper actuation

Central electronics 4.0

- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
- Brake lights
- License plates illuminating lamp
- Rear fog lights
- Backup light
- Fog light
- Low beam light
- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

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Year	Engine	Liters	HP	System	Functions
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Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
- system power supply
- Airbag warning lamp
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Resistance Front airbag driver side
- Resistance Front airbag front passenger side
- Front belt pretensioner releases
- Front center belt tensioner
- Deactivation switch AB BFS
- Control light airbag front passenger side
- Front side airbag triggering operations
- Resistance deactivation switch airbag passenger's side
- Driver side window airbag ignition circuit resistance
- Passenger side window airbag ignition circuit resistance
- **Actuators**

					<ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul>
				<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul>
2011/07	F1CE3481...	3.0	170		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing

- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

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Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> </ul> </li> </ul>

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Central electronics  
Central electronics 4.0

- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side
  - Rear fog light
  - Left-rear door
  - Right rear door
  - Trunk top
  - Ignition key position
  - Fog light
  - Central locking system
  - Rear screen wiper
  - Engine status
  - Stop light switch 1
  - Stop light switch 2
  - Indicators switch
  - Reg. number illumination
  - Fog light switch
  - Front windscreen washer
  - Brake lights
  - Start/stop function
  - Rear door locking relay
  - Hatchback unlocking relay
  - Wiper actuation
  - Brake pad condition
  - Headlights washer system
  - Backup light
  - Windscreen washer system switch
  - Driver door window lifter switch
  - Rear window defroster key button
  - Left bending light
  - Right bending light
  - Wiper switch
  - Driver's window lifter switch for passenger window
  - Trailer turn signal indicator

- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> </ul> </li> </ul>
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Instrument cluster  
Instrument cluster 4.0

- Engine revolution
- The ambient temperature
- system power supply
- Exhausted gases signal lamp
- Instrument panel illumination
- Fuel level in the tank
- Immobilizer warning light
- Engine management system error lights
- Coolant level, warning
- Cooling agent temperature control light
- Oil pressure control lamp
- Driver belt warning control light
- Airbag warning lamp
- ABS control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Fuel level warning lamp
- ESP fault lamp
- Button Mode +
- Button Mode -
- Glow control light
- Generator control light
- Position headlight range regulation
- Signal volume
- Tempomat-control light
- Door open warning light
- Seat belt warning buzzer
- Water in fuel warning lamp
- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side



Central electronics  
Central electronics 4.0

- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

Year	Engine	Liters	HP	System	Functions
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Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - system power supply
  - Airbag warning lamp
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Resistance Front airbag driver side
  - Resistance Front airbag front passenger side
  - Front belt pretensioner releases
  - Front center belt tensioner
  - Deactivation switch AB BFS
  - Control light airbag front passenger side
  - Front side airbag triggering operations
  - Resistance deactivation switch airbag passenger's side
  - Driver side window airbag ignition circuit resistance
  - Passenger side window airbag ignition circuit resistance
- **Actuators**
  - Airbag control light
  - Front passen. airbag warning lamp

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Mileage
  - Coolant temperature
  - Failure lamp
  - Engine revolution
  - The ambient temperature
  - system power supply
  - Exhausted gases signal lamp
  - Instrument panel illumination
  - Fuel level in the tank
  - Immobilizer warning light
  - Engine management system error lights
  - Coolant level, warning
  - Cooling agent temperature control light
  - Oil pressure control lamp
  - Driver belt warning control light
  - Airbag warning lamp
  - ABS control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Fuel level warning lamp
  - ESP fault lamp
  - Button Mode +
  - Button Mode -
  - Glow control light
  - Generator control light
  - Position headlight range regulation
  - Signal volume
  - Tempomat-control light
  - Door open warning light
  - Seat belt warning buzzer
  - Water in fuel warning lamp
  - MODE button status
  - Button volume
  - Control light airbag front passenger side
  - Parking brake, control light
  - Particle filter control light
  - Side lights, control light
  - Headlight range control adjustment button +
  - Headlight range control adjustment button -
  - Exterior lighting fault warning lamp
  - Retarder mode

2011/07	F1CE3481D...	3.0	204	Central electronics Central electronics 4.0	<ul style="list-style-type: none"> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> <li>- Start/stop function</li> <li>- Rear door locking relay</li> <li>- Hatchback unlocking relay</li> <li>- Wiper actuation</li> <li>- Brake pad condition</li> <li>- Headlights washer system</li> <li>- Backup light</li> <li>- Windscreen washer system switch</li> <li>- Driver door window lifter switch</li> <li>- Rear window defroster key button</li> <li>- Left bending light</li> <li>- Right bending light</li> <li>- Wiper switch</li> <li>- Driver's window lifter switch for passenger window</li> <li>- Trailer turn signal indicator</li> <li>- Alarm horn battery</li> <li>- Sliding door</li> <li>- Reverse gear status</li> <li>- Hazard warning system button</li> <li>- Air filter</li> <li>- Fuel filter</li> <li>- Power take-off status</li> <li>- Rear central locking system</li> <li>- Central locking relay</li> <li>- Power window switch, passenger</li> </ul> </li> </ul>
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- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> </ul> </li> </ul>

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Instrument cluster  
 Instrument cluster 4.0

- Oil pressure control lamp
- Driver belt warning control light
- Airbag warning lamp
- ABS control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Fuel level warning lamp
- ESP fault lamp
- Button Mode +
- Button Mode -
- Glow control light
- Generator control light
- Position headlight range regulation
- Signal volume
- Tempomat-control light
- Door open warning light
- Seat belt warning buzzer
- Water in fuel warning lamp
- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
- Self test
- Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
- Read configuration
- **Error memory**
- **Current values**
- Air compressor request
- Power supply
- Vehicle driving speed
- Parking brake
- Coolant level
- Engine revolution
- cruise control switch
- brake fluid level
- Collision signal
- Instrument panel illumination
- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1

Central electronics  
Central electronics 4.0

- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> </ul> </li> </ul>

Airbag  
Airbag AB 4.0

- Front belt tensioner releases
- Front center belt tensioner
- Deactivation switch AB BFS
- Control light airbag front passenger side
- Front side airbag triggering operations
- Resistance deactivation switch airbag passenger's side
- Driver side window airbag ignition circuit resistance
- Passenger side window airbag ignition circuit resistance
- **Actuators**
  - Airbag control light
  - Front passen. airbag warning lamp

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Mileage
  - Coolant temperature
  - Failure lamp
  - Engine revolution
  - The ambient temperature
  - system power supply
  - Exhausted gases signal lamp
  - Instrument panel illumination
  - Fuel level in the tank
  - Immobilizer warning light
  - Engine management system error lights
  - Coolant level, warning
  - Cooling agent temperature control light
  - Oil pressure control lamp
  - Driver belt warning control light
  - Airbag warning lamp
  - ABS control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Fuel level warning lamp
  - ESP fault lamp
  - Button Mode +
  - Button Mode -
  - Glow control light
  - Generator control light
  - Position headlight range regulation
  - Signal volume
  - Tempomat-control light
  - Door open warning light
  - Seat belt warning buzzer
  - Water in fuel warning lamp
  - MODE button status
  - Button volume
  - Control light airbag front passenger side
  - Parking brake, control light
  - Particle filter control light
  - Side lights, control light
  - Headlight range control adjustment button +
  - Headlight range control adjustment button -
  - Exterior lighting fault warning lamp
  - Retarder mode
  - Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**

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Central electronics  
Central electronics 4.0

• **Current values**

- Air compressor request
- Power supply
- Vehicle driving speed
- Parking brake
- Coolant level
- Engine revolution
- cruise control switch
- brake fluid level
- Collision signal
- Instrument panel illumination
- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button

• **Actuators**

- Brake lights
- License plates illuminating lamp
- Rear fog lights
- Backup light
- Fog light



- Low beam light
- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

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Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> </ul> </li> </ul>

2011/07	F1CE3481D...	3.0	204	<p>Central electronics</p>	<ul style="list-style-type: none"> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul> <hr/> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> <li>- Start/stop function</li> <li>- Rear door locking relay</li> <li>- Hatchback unlocking relay</li> <li>- Wiper actuation</li> </ul> </li> </ul>
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Central electronics 4.0

- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
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Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - system power supply
  - Airbag warning lamp
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Resistance Front airbag driver side
  - Resistance Front airbag front passenger side
  - Front belt pretensioner releases
  - Front center belt tensioner
  - Deactivation switch AB BFS
  - Control light airbag front passenger side
  - Front side airbag triggering operations
  - Resistance deactivation switch airbag passenger's side
  - Driver side window airbag ignition circuit resistance
  - Passenger side window airbag ignition circuit resistance
- **Actuators**

					<ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul>
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul>
2011/07	F1CE3481D...	3.0	204		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing

- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

**IVECO Daily 2012 - Daily 35 C 14 CNG**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> </ul> </li> </ul>

2011/07	F1CE0441A...	3.0	136	<p>Central electronics Central electronics 4.0</p>	<ul style="list-style-type: none"> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul> <hr/> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> <li>- Start/stop function</li> <li>- Rear door locking relay</li> <li>- Hatchback unlocking relay</li> <li>- Wiper actuation</li> <li>- Brake pad condition</li> <li>- Headlights washer system</li> <li>- Backup light</li> <li>- Windscreen washer system switch</li> <li>- Driver door window lifter switch</li> <li>- Rear window defroster key button</li> <li>- Left bending light</li> <li>- Right bending light</li> <li>- Wiper switch</li> <li>- Driver's window lifter switch for passenger window</li> <li>- Trailer turn signal indicator</li> </ul> </li> </ul>
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- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

**IVECO Daily 2012 - Daily 35 S 14 CNG**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> </ul> </li> </ul>



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Instrument cluster  
Instrument cluster 4.0

- Engine revolution
- The ambient temperature
- system power supply
- Exhausted gases signal lamp
- Instrument panel illumination
- Fuel level in the tank
- Immobilizer warning light
- Engine management system error lights
- Coolant level, warning
- Cooling agent temperature control light
- Oil pressure control lamp
- Driver belt warning control light
- Airbag warning lamp
- ABS control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Fuel level warning lamp
- ESP fault lamp
- Button Mode +
- Button Mode -
- Glow control light
- Generator control light
- Position headlight range regulation
- Signal volume
- Tempomat-control light
- Door open warning light
- Seat belt warning buzzer
- Water in fuel warning lamp
- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side

Central electronics  
Central electronics 4.0

- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
- Brake lights
- License plates illuminating lamp
- Rear fog lights
- Backup light
- Fog light
- Low beam light
- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

Year	Engine	Liters	HP	System	Functions
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Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - system power supply
  - Airbag warning lamp
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Resistance Front airbag driver side
  - Resistance Front airbag front passenger side
  - Front belt pretensioner releases
  - Front center belt tensioner
  - Deactivation switch AB BFS
  - Control light airbag front passenger side
  - Front side airbag triggering operations
  - Resistance deactivation switch airbag passenger's side
  - Driver side window airbag ignition circuit resistance
  - Passenger side window airbag ignition circuit resistance
- **Actuators**
  - Airbag control light
  - Front passen. airbag warning lamp

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Mileage
  - Coolant temperature
  - Failure lamp
  - Engine revolution
  - The ambient temperature
  - system power supply
  - Exhausted gases signal lamp
  - Instrument panel illumination
  - Fuel level in the tank
  - Immobilizer warning light
  - Engine management system error lights
  - Coolant level, warning
  - Cooling agent temperature control light
  - Oil pressure control lamp
  - Driver belt warning control light
  - Airbag warning lamp
  - ABS control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Fuel level warning lamp
  - ESP fault lamp
  - Button Mode +
  - Button Mode -
  - Glow control light
  - Generator control light
  - Position headlight range regulation
  - Signal volume
  - Tempomat-control light
  - Door open warning light
  - Seat belt warning buzzer
  - Water in fuel warning lamp
  - MODE button status
  - Button volume
  - Control light airbag front passenger side
  - Parking brake, control light
  - Particle filter control light
  - Side lights, control light
  - Headlight range control adjustment button +
  - Headlight range control adjustment button -
  - Exterior lighting fault warning lamp
  - Retarder mode

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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> <li>- Start/stop function</li> <li>- Rear door locking relay</li> <li>- Hatchback unlocking relay</li> <li>- Wiper actuation</li> <li>- Brake pad condition</li> <li>- Headlights washer system</li> <li>- Backup light</li> <li>- Windscreen washer system switch</li> <li>- Driver door window lifter switch</li> <li>- Rear window defroster key button</li> <li>- Left bending light</li> <li>- Right bending light</li> <li>- Wiper switch</li> <li>- Driver's window lifter switch for passenger window</li> <li>- Trailer turn signal indicator</li> <li>- Alarm horn battery</li> <li>- Sliding door</li> <li>- Reverse gear status</li> <li>- Hazard warning system button</li> <li>- Air filter</li> <li>- Fuel filter</li> <li>- Power take-off status</li> <li>- Rear central locking system</li> <li>- Central locking relay</li> <li>- Power window switch, passenger</li> </ul> </li> </ul>

- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> </ul> </li> </ul>
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Instrument cluster  
Instrument cluster 4.0

- Oil pressure control lamp
- Driver belt warning control light
- Airbag warning lamp
- ABS control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Fuel level warning lamp
- ESP fault lamp
- Button Mode +
- Button Mode -
- Glow control light
- Generator control light
- Position headlight range regulation
- Signal volume
- Tempomat-control light
- Door open warning light
- Seat belt warning buzzer
- Water in fuel warning lamp
- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side
  - Rear fog light
  - Left-rear door
  - Right rear door
  - Trunk top
  - Ignition key position
  - Fog light
  - Central locking system
  - Rear screen wiper
  - Engine status
  - Stop light switch 1

Central electronics  
Central electronics 4.0

- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

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Year	Engine	Liters	HP	System	Functions
				Airbag	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> </ul> </li> </ul>

Airbag AB 4.0	<ul style="list-style-type: none"> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> <p><b>• Actuators</b></p> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul>
Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Error memory</b></li> <li><b>• Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> </ul> </li> </ul> <p><b>• Actuators</b></p> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul>
	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li><b>• Error memory</b></li> <li><b>• Current values</b></li> </ul>



Central electronics  
Central electronics 4.0

- Air compressor request
- Power supply
- Vehicle driving speed
- Parking brake
- Coolant level
- Engine revolution
- cruise control switch
- brake fluid level
- Collision signal
- Instrument panel illumination
- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light

- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

**IVECO** **Daily 2012 - Daily 70 C 14 CNG**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> </ul> </li> </ul>
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Central electronics  
Central electronics 4.0

- Button Mode +
- Button Mode -
- Glow control light
- Generator control light
- Position headlight range regulation
- Signal volume
- Tempomat-control light
- Door open warning light
- Seat belt warning buzzer
- Water in fuel warning lamp
- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side
  - Rear fog light
  - Left-rear door
  - Right rear door
  - Trunk top
  - Ignition key position
  - Fog light
  - Central locking system
  - Rear screen wiper
  - Engine status
  - Stop light switch 1
  - Stop light switch 2
  - Indicators switch
  - Reg. number illumination
  - Fog light switch
  - Front windscreen washer
  - Brake lights
  - Start/stop function
  - Rear door locking relay
  - Hatchback unlocking relay
  - Wiper actuation
  - Brake pad condition

- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

**IVECO Daily 2012 - Daily 55 S 17**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> </ul> </li> </ul>

2011/07  
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Instrument cluster  
Instrument cluster 4.0

- Front passen. airbag warning lamp

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Mileage
  - Coolant temperature
  - Failure lamp
  - Engine revolution
  - The ambient temperature
  - system power supply
  - Exhausted gases signal lamp
  - Instrument panel illumination
  - Fuel level in the tank
  - Immobilizer warning light
  - Engine management system error lights
  - Coolant level, warning
  - Cooling agent temperature control light
  - Oil pressure control lamp
  - Driver belt warning control light
  - Airbag warning lamp
  - ABS control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Fuel level warning lamp
  - ESP fault lamp
  - Button Mode +
  - Button Mode -
  - Glow control light
  - Generator control light
  - Position headlight range regulation
  - Signal volume
  - Tempomat-control light
  - Door open warning light
  - Seat belt warning buzzer
  - Water in fuel warning lamp
  - MODE button status
  - Button volume
  - Control light airbag front passenger side
  - Parking brake, control light
  - Particle filter control light
  - Side lights, control light
  - Headlight range control adjustment button +
  - Headlight range control adjustment button -
  - Exterior lighting fault warning lamp
  - Retarder mode
  - Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights

Central electronics  
Central electronics 4.0

- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening

- Left bending light
- Right bending light
- Side marking lights

**IVECO** **Daily 2012 - Daily 40 C 11**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> </ul> </li> </ul>
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2012/01	F1AE3481A...	2.3	106	<p>Central electronics Central electronics 4.0</p>	<ul style="list-style-type: none"> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul> <hr/> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> <li>- Start/stop function</li> <li>- Rear door locking relay</li> <li>- Hatchback unlocking relay</li> <li>- Wiper actuation</li> <li>- Brake pad condition</li> <li>- Headlights washer system</li> <li>- Backup light</li> <li>- Windscreen washer system switch</li> <li>- Driver door window lifter switch</li> <li>- Rear window defroster key button</li> <li>- Left bending light</li> <li>- Right bending light</li> <li>- Wiper switch</li> <li>- Driver's window lifter switch for passenger window</li> <li>- Trailer turn signal indicator</li> <li>- Alarm horn battery</li> </ul> </li> </ul>
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- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

**IVECO Daily 2012 - Daily 40 C 13**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> </ul> </li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> </ul> </li> </ul>
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2012/01 -	F1AE3481B...	2.3	126	<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

**IVECO Daily 2012 - Daily 40 C 14 CNG**

Year	Engine	Liters	HP	System	Functions
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• Identification

Airbag  
Airbag AB 4.0

- **Clear errors**
- **Error memory**
- **Current values**
  - system power supply
  - Airbag warning lamp
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Resistance Front airbag driver side
  - Resistance Front airbag front passenger side
  - Front belt pretensioner releases
  - Front center belt tensioner
  - Deactivation switch AB BFS
  - Control light airbag front passenger side
  - Front side airbag triggering operations
  - Resistance deactivation switch airbag passenger's side
  - Driver side window airbag ignition circuit resistance
  - Passenger side window airbag ignition circuit resistance
- **Actuators**
  - Airbag control light
  - Front passen. airbag warning lamp

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Mileage
  - Coolant temperature
  - Failure lamp
  - Engine revolution
  - The ambient temperature
  - system power supply
  - Exhausted gases signal lamp
  - Instrument panel illumination
  - Fuel level in the tank
  - Immobilizer warning light
  - Engine management system error lights
  - Coolant level, warning
  - Cooling agent temperature control light
  - Oil pressure control lamp
  - Driver belt warning control light
  - Airbag warning lamp
  - ABS control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Fuel level warning lamp
  - ESP fault lamp
  - Button Mode +
  - Button Mode -
  - Glow control light
  - Generator control light
  - Position headlight range regulation
  - Signal volume
  - Tempomat-control light
  - Door open warning light
  - Seat belt warning buzzer
  - Water in fuel warning lamp
  - MODE button status
  - Button volume
  - Control light airbag front passenger side
  - Parking brake, control light
  - Particle filter control light
  - Side lights, control light
  - Headlight range control adjustment button +
  - Headlight range control adjustment button -
  - Exterior lighting fault warning lamp
  - Retarder mode
  - Air suspension warning lamp red

2012/01	F1CE0441...	3.0	136	Central electronics Central electronics 4.0	<ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> <li>- Start/stop function</li> <li>- Rear door locking relay</li> <li>- Hatchback unlocking relay</li> <li>- Wiper actuation</li> <li>- Brake pad condition</li> <li>- Headlights washer system</li> <li>- Backup light</li> <li>- Windscreen washer system switch</li> <li>- Driver door window lifter switch</li> <li>- Rear window defroster key button</li> <li>- Left bending light</li> <li>- Right bending light</li> <li>- Wiper switch</li> <li>- Driver's window lifter switch for passenger window</li> <li>- Trailer turn signal indicator</li> <li>- Alarm horn battery</li> <li>- Sliding door</li> <li>- Reverse gear status</li> <li>- Hazard warning system button</li> <li>- Air filter</li> <li>- Fuel filter</li> <li>- Power take-off status</li> <li>- Rear central locking system</li> <li>- Central locking relay</li> <li>- Power window switch, passenger</li> <li>- Horn input signal</li> </ul> </li> </ul>
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- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

**IVECO Daily 2012 - Daily 40 C 15**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> </ul> </li> </ul>
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2012/01	F1CE3481...	3.0	146	Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

**IVECO Daily 2012 - Daily 40 C 17**

Year	Engine	Liters	HP	System	Functions
				Airbag	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> </ul> </li> </ul>



Airbag AB 4.0	<ul style="list-style-type: none"> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> <p><b>• Actuators</b></p> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul>
Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Error memory</b></li> <li><b>• Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> <li>- Button Mode +</li> <li>- Button Mode -</li> <li>- Glow control light</li> <li>- Generator control light</li> <li>- Position headlight range regulation</li> <li>- Signal volume</li> <li>- Tempomat-control light</li> <li>- Door open warning light</li> <li>- Seat belt warning buzzer</li> <li>- Water in fuel warning lamp</li> <li>- MODE button status</li> <li>- Button volume</li> <li>- Control light airbag front passenger side</li> <li>- Parking brake, control light</li> <li>- Particle filter control light</li> <li>- Side lights, control light</li> <li>- Headlight range control adjustment button +</li> <li>- Headlight range control adjustment button -</li> <li>- Exterior lighting fault warning lamp</li> <li>- Retarder mode</li> <li>- Air suspension warning lamp red</li> </ul> </li> </ul> <p><b>• Actuators</b></p> <ul style="list-style-type: none"> <li>- Self test</li> <li>- Warning buzzer</li> </ul>
	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li><b>• Error memory</b></li> <li><b>• Current values</b></li> </ul>

Central electronics  
Central electronics 4.0

- Air compressor request
- Power supply
- Vehicle driving speed
- Parking brake
- Coolant level
- Engine revolution
- cruise control switch
- brake fluid level
- Collision signal
- Instrument panel illumination
- Short lights
- Light switch
- High beam light
- Searchlight
- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
- Brake lights
- License plates illuminating lamp
- Rear fog lights
- Backup light
- Fog light
- Low beam light

- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

**IVECO Daily 2012 - Daily 40 C 21**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Failure lamp</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- system power supply</li> <li>- Exhausted gases signal lamp</li> <li>- Instrument panel illumination</li> <li>- Fuel level in the tank</li> <li>- Immobilizer warning light</li> <li>- Engine management system error lights</li> <li>- Coolant level, warning</li> <li>- Cooling agent temperature control light</li> <li>- Oil pressure control lamp</li> <li>- Driver belt warning control light</li> <li>- Airbag warning lamp</li> <li>- ABS control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Fuel level warning lamp</li> <li>- ESP fault lamp</li> </ul> </li> </ul>
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2012/01

F1CE3481D...

3.0

204

Central electronics  
Central electronics 4.0

- Button Mode +
- Button Mode -
- Glow control light
- Generator control light
- Position headlight range regulation
- Signal volume
- Tempomat-control light
- Door open warning light
- Seat belt warning buzzer
- Water in fuel warning lamp
- MODE button status
- Button volume
- Control light airbag front passenger side
- Parking brake, control light
- Particle filter control light
- Side lights, control light
- Headlight range control adjustment button +
- Headlight range control adjustment button -
- Exterior lighting fault warning lamp
- Retarder mode
- Air suspension warning lamp red
- **Actuators**
  - Self test
  - Warning buzzer

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read configuration
- **Error memory**
- **Current values**
  - Air compressor request
  - Power supply
  - Vehicle driving speed
  - Parking brake
  - Coolant level
  - Engine revolution
  - cruise control switch
  - brake fluid level
  - Collision signal
  - Instrument panel illumination
  - Short lights
  - Light switch
  - High beam light
  - Searchlight
  - Daytime lights
  - Passenger compartment illumination front
  - Passenger compartment illumination rear
  - Driver door
  - Front passenger door
  - Fuel level in the tank
  - Seat belt lock switch driver's side
  - Rear fog light
  - Left-rear door
  - Right rear door
  - Trunk top
  - Ignition key position
  - Fog light
  - Central locking system
  - Rear screen wiper
  - Engine status
  - Stop light switch 1
  - Stop light switch 2
  - Indicators switch
  - Reg. number illumination
  - Fog light switch
  - Front windscreen washer
  - Brake lights
  - Start/stop function
  - Rear door locking relay
  - Hatchback unlocking relay
  - Wiper actuation
  - Brake pad condition

- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

**IVECO** **Daily 2012 - Daily 33 S 11**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> </ul> </li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> <li>• <b>Actuators</b></li> </ul>

					<ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul>
2012/09	F1AE3481A..	2.3	106	<p>Central electronics Central electronics 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> <li>- Start/stop function</li> <li>- Rear door locking relay</li> <li>- Hatchback unlocking relay</li> <li>- Wiper actuation</li> <li>- Brake pad condition</li> <li>- Headlights washer system</li> <li>- Backup light</li> <li>- Windscreen washer system switch</li> <li>- Driver door window lifter switch</li> <li>- Rear window defroster key button</li> <li>- Left bending light</li> <li>- Right bending light</li> <li>- Wiper switch</li> <li>- Driver's window lifter switch for passenger window</li> <li>- Trailer turn signal indicator</li> <li>- Alarm horn battery</li> <li>- Sliding door</li> <li>- Reverse gear status</li> <li>- Hazard warning system button</li> <li>- Air filter</li> <li>- Fuel filter</li> <li>- Power take-off status</li> <li>- Rear central locking system</li> <li>- Central locking relay</li> <li>- Power window switch, passenger</li> <li>- Horn input signal</li> <li>- Alarm siren</li> </ul> </li> </ul>

- Side lights, control light
- Start/Stop button
- **Actuators**
- Brake lights
- License plates illuminating lamp
- Rear fog lights
- Backup light
- Fog light
- Low beam light
- High beam light
- Signal horn
- rear left indicator
- rear right indicator
- LED emergency lights
- START/STOP button illumination
- Brake light, middle
- Driver side window lifter, closing
- Driver side window lifter, opening
- Passenger side window lifter, closing
- Passenger side window lifter, opening
- Left bending light
- Right bending light
- Side marking lights

**IVECO** **Daily 2012 - Daily 33 S 13**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> </ul> </li> </ul>
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2012/09

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Central electronics  
Central electronics 4.0

- Daytime lights
- Passenger compartment illumination front
- Passenger compartment illumination rear
- Driver door
- Front passenger door
- Fuel level in the tank
- Seat belt lock switch driver's side
- Rear fog light
- Left-rear door
- Right rear door
- Trunk top
- Ignition key position
- Fog light
- Central locking system
- Rear screen wiper
- Engine status
- Stop light switch 1
- Stop light switch 2
- Indicators switch
- Reg. number illumination
- Fog light switch
- Front windscreen washer
- Brake lights
- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights



Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- system power supply</li> <li>- Airbag warning lamp</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Resistance Front airbag driver side</li> <li>- Resistance Front airbag front passenger side</li> <li>- Front belt pretensioner releases</li> <li>- Front center belt tensioner</li> <li>- Deactivation switch AB BFS</li> <li>- Control light airbag front passenger side</li> <li>- Front side airbag triggering operations</li> <li>- Resistance deactivation switch airbag passenger's side</li> <li>- Driver side window airbag ignition circuit resistance</li> <li>- Passenger side window airbag ignition circuit resistance</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Airbag control light</li> <li>- Front passen. airbag warning lamp</li> </ul> </li> </ul>
2012/09	F1AE3481C..	2.3	146		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor request</li> <li>- Power supply</li> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Coolant level</li> <li>- Engine revolution</li> <li>- cruise control switch</li> <li>- brake fluid level</li> <li>- Collision signal</li> <li>- Instrument panel illumination</li> <li>- Short lights</li> <li>- Light switch</li> <li>- High beam light</li> <li>- Searchlight</li> <li>- Daytime lights</li> <li>- Passenger compartment illumination front</li> <li>- Passenger compartment illumination rear</li> <li>- Driver door</li> <li>- Front passenger door</li> <li>- Fuel level in the tank</li> <li>- Seat belt lock switch driver's side</li> <li>- Rear fog light</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Ignition key position</li> <li>- Fog light</li> <li>- Central locking system</li> <li>- Rear screen wiper</li> <li>- Engine status</li> <li>- Stop light switch 1</li> <li>- Stop light switch 2</li> <li>- Indicators switch</li> <li>- Reg. number illumination</li> <li>- Fog light switch</li> <li>- Front windscreen washer</li> <li>- Brake lights</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Start/stop function
- Rear door locking relay
- Hatchback unlocking relay
- Wiper actuation
- Brake pad condition
- Headlights washer system
- Backup light
- Windscreen washer system switch
- Driver door window lifter switch
- Rear window defroster key button
- Left bending light
- Right bending light
- Wiper switch
- Driver's window lifter switch for passenger window
- Trailer turn signal indicator
- Alarm horn battery
- Sliding door
- Reverse gear status
- Hazard warning system button
- Air filter
- Fuel filter
- Power take-off status
- Rear central locking system
- Central locking relay
- Power window switch, passenger
- Horn input signal
- Alarm siren
- Side lights, control light
- Start/Stop button
- **Actuators**
  - Brake lights
  - License plates illuminating lamp
  - Rear fog lights
  - Backup light
  - Fog light
  - Low beam light
  - High beam light
  - Signal horn
  - rear left indicator
  - rear right indicator
  - LED emergency lights
  - START/STOP button illumination
  - Brake light, middle
  - Driver side window lifter, closing
  - Driver side window lifter, opening
  - Passenger side window lifter, closing
  - Passenger side window lifter, opening
  - Left bending light
  - Right bending light
  - Side marking lights

[S-Type - S-Type 4.2 V8 32V](#)  
[S-Type - S-Type 4.2 R V8 32V](#)  
[S-Type - S-Type 3.0 24V](#)  
[S-Type - S-Type 4.0 32V](#)  
[S-Type - S-Type 2.5 24V](#)  
[S-Type - S-Type 2.7 D](#)  
[X-Type - X-Type 2.5 AWD](#)  
[X-Type - X-Type 3.0 AWD](#)  
[X-Type - X-Type 2.0](#)  
[X-Type - X-Type 2.0 D](#)  
[X-Type - X-Type 2.2 D](#)  
[X-Type Estate - X-Type 2.5 Estate](#)  
[X-Type Estate - X-Type 3.0 Estate](#)  
[X-Type Estate - X-Type 2.0 Estate](#)  
[X-Type Estate - X-Type 2.0 D Estate](#)  
[X-Type Estate - X-Type 2.2 D Estate](#)  
[XF - XF 3.0 V6](#)  
[XF - XF 4.2 V8](#)  
[XF - XF 4.2 Supercharged](#)  
[XF - XFR 5.0](#)  
[XF - XF 5.0 V8](#)  
[XF - XF 3.0 D V6](#)  
[XF - XF 3.0 D V6S](#)  
[XF - XF 3.0 D](#)  
[XF - XF 2.2 D](#)  
[XF - XF 2.7 D](#)  
[XF - XF 5.0 Supercharged](#)  
[XF SPORTBRAKE - XF SPORTBRAKE 3.0 D V6](#)  
[XF SPORTBRAKE - XF SPORTBRAKE 3.0 D V6S](#)  
[XF SPORTBRAKE - XF SPORTBRAKE 2.2 D](#)  
[XJ - XJ 5.0 V8](#)  
[XJ - XJ 5.0 V8 Supercharged](#)  
[XJ - XJ 3.0 V6](#)  
[XJ - XJ 3.0D V6](#)  
[XJ 8 - XJ 8 3.2 V8 32V](#)  
[XJ 8 - XJ 8 4.0 V8 32V](#)  
[XJ6/2003 - XJ6 3.0 24V](#)  
[XJ6/2003 - XJ6 4.2 32V V8 S/C](#)  
[XJ6/2003 - XJ6 2.7D V6](#)  
[XJ6/2003 - XJ6 2.5 32V](#)  
[XJ8/2003 - XJ 8 3.5 32V](#)  
[XJ8/2003 - XJ 8 4.2 32V](#)  
[XJR - XJR 4.2 32V](#)  
[XJR 8 - XJR 8 4.0 V8 32V Kompressor](#)  
[XJR/2003 Convertible - XJR 4.2 32V V8 S/C Convertible](#)  
[XJR/2003 Coupe - XJR 4.2 32V V8 S/C Coupe](#)  
[XK 8 Convertible - XK 8 4.2 32V Convertible](#)  
[XK 8 Convertible - XK 8 4.2 R 32V Convertible](#)  
[XK 8 Convertible - XK 8 4.0 32V Convertible](#)  
[XK 8 Convertible - XK 8 4.0 R 32V Convertible](#)

[XK 8 Coupe - XK 8 4.2 32V Coupe](#)  
[XK 8 Coupe - XK 8 4.2 R 32V Coupe](#)  
[XK 8 Coupe - XK 8 4.0 32V Coupe](#)  
[XK 8 Coupe - XK 8 4.0 R 32V Coupe](#)  
[XK Convertible - XK 4.2 R 32V Convertible](#)  
[XK Convertible - XK 3.5 Convertible AWD](#)  
[XK Convertible - XK 5.0 R Convertible](#)  
[XK Convertible - XK 5.0 Convertible](#)  
[XK Convertible - XK 5.0 R-S Convertible](#)  
[XK Convertible - XK 4.2 32V Convertible](#)  
[XK Coupe - XK 3.5 Coupe](#)  
[XK Coupe - XK 5.0 Coupe](#)  
[XK Coupe - XK 5.0 R Coupe](#)  
[XK Coupe - XK 5.0 R-S Coupe](#)  
[XK Coupe - XK 4.2 32V Coupe](#)  
[XK Coupe - XK 4.2 R 32V Coupe](#)

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Oxygen sensor bank 2, sensor 1)</li> <li>- Air pressure sensor</li> <li>- Oxygen sensor voltage (bank 2-sensor 2)</li> <li>- Oxygen sensor heater (bank 2, sensor 1)</li> <li>- Kilometer reading</li> <li>- Fuel fill level signal</li> <li>- Clutch pedal switch</li> <li>- intake manifold pressure sensor</li> <li>- Charging-air pressure sensor</li> <li>- Engine speed set value in idle running</li> <li>- Lambda target value</li> <li>- Cruise control, control light</li> <li>- External air temperature</li> <li>- Accelerator pedal, position D</li> <li>- Accelerator pedal, position E</li> <li>- Engine management system error lights</li> <li>- Lambda actual value (Bank 1)</li> <li>- Lambda actual value (Bank 2)</li> <li>- harmful for catalytic converter lack of combustion cylinder 1</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors

2001/10  
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2008/03

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Engine control  
Engine management DEN X4.0

- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air compressor pressure signal
  - Voltage, throttle valve position sensor
  - Control unit Voltage sensor
  - Fuel pressure control
  - Vehicle driving speed
  - Fuel pump relay
  - Status idle reg.
  - Coolant temperature
  - Pulse-duty factor, fuel tank ventilation valve
  - Air mass meter voltage
  - Engine for reg. throttle valve
  - Engine revolution
  - intake manifold pressure
  - intake air mass
  - cruise control switch
  - Lights switch 1
  - Lights switch 2
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - fuel tank evaporation/regeneration valve
  - Main relay
  - voltage: engine pump
  - Air conditioner relay
  - Control unit, internal reference voltage
  - Intake air temperature
  - Catalytic converter temperature (Bank 2)
  - Exhausted gases signal lamp
  - Firing angle adjustment
  - Throttle valve position sensor 1
  - Throttle valve position sensor 2
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Short-term mixture correction, bank 1
  - Short-term mixture correction, bank 2
  - Long-term mixture correction, bank 1
  - Long-term mixture correction, bank 2
  - Oil temperature sensor
  - Stopping valve, fuel evaporation system
  - Clutch pedal switch
  - Switch Parking / Neutral
  - Generator exciter winding
  - Short-term AFR correction B1, S2
  - Short-term AFR correction B2, S2
  - Oil pressure switch
  - Throttle valve position
  - Generator lamp
  - Relay starter
  - Throttle valve required position
  - Intake manifold pressure sensor voltage
  - mileage from the moment of switching on the lamp for failure
  - Radiator fan
  - Load, calculated value
  - Idle speed controller duty cycle
  - Charge Air Cooler Temperature
  - Voltage fuel temperature sensor

	<ul style="list-style-type: none"> <li>- Atmospheric pressure sensor</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Air mass meter plausibility check</li> <li>- Oxygen sensor heater (B1,S2): status</li> <li>- Starter request</li> <li>- Intake air control valve 1</li> <li>- Intake air control valve 2</li> <li>- Intake air temperature signal voltage</li> <li>- Air conditioner monitoring status</li> <li>- Fuel shut-off signal</li> <li>- Engine coolant temperature sensor: signal voltage</li> <li>- Lambda sensor (bank 1, sensor 1) current</li> <li>- Oxygen sensor (bank 2, sensor 1) current</li> <li>- Oxygen sensors heating (bank 2, sensor 2): Status</li> <li>- Camshaft adjustment 2 duty cycle</li> <li>- Camshaft adjustment 2 position</li> <li>- Camshaft adjustment 1 duty cycle</li> <li>- Camshaft adjustment 1 position</li> <li>- Catalytic converter temperature (bank 1)</li> <li>- Oxygen sensor status (B1, S2)</li> <li>- Oxygen sensor status (bank 2, sensor 2)</li> <li>- EKP PWM</li> <li>- Fuel evaporation system voltage</li> <li>- Key combination Radiator fan</li> <li>- PWM Generator</li> <li>- Throttle valve control motor relay</li> <li>- Monitoring of fuel system</li> <li>- Cruise control voltage</li> <li>- Lambda ratio (Bank 1, sensor 1)</li> <li>- Lambda ratio (Bank 2, sensor 1)</li> <li>• <b>Actuators</b></li> <li>- Radiator fan controller (PWM)</li> </ul>
<p>Anti-block system ABS 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Brake pedal travel</li> <li>- Number of permanent faults</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Power supply sensors: Status</li> <li>- Lateral acceleration raw value</li> <li>- Yaw rate sensor value</li> <li>- Brake booster, solenoid valve, switching fault</li> <li>- Brake fluid level switch</li> <li>- Brake force booster – magnetic valve</li> <li>- Control unit operating status</li> <li>- Brake booster switch normally closed</li> <li>- Brake booster switch normally open</li> <li>• <b>Actuators</b></li> <li>- pump motor in the hydraulic modulator</li> </ul>
<p>Anti-block system ESP W9.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Brake pressure sensor zero pos. calibration</li> <li>- Lateral acceleration sensor zero position adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- rotation angle sensor</li> <li>- Lateral acceleration sensor</li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Pressure sensor</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>



Airbag  
Airbag AB X4.0

- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

Instrument cluster  
Instrument cluster 4.1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Reverse switch
  - Intensity of instrument illumination
  - Signal, terminal 15R (radio)
  - Number of actual errors
  - Odometer
  - Fog light control lamp
  - Rear fog lights control lamp
  - Master key identification
  - Number of authorized keys
  - Short lights switch
  - Working mode
  - Airbag gong
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Display background illumination
  - Driver's side seat belt
  - Automatic light switch
  - Daily odometer A
  - Ignition starter switch status
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Security access status
  - Ignition/starter switch signal: Start
  - Access control
  - Easy entry button
  - Power supply set value lower limit
  - Power supply set value upper limit
  - Number of faults after system test
  - Anti-theft alarm status
  - Horn switch
  - Display illumination level
  - Number of control unit resets
  - Steering column horizontal position
  - Steering column vertical position
  - Parking position switch
  - Main beam input signal
  - Steering column longitudinal position sensor
  - Steering column height position sensor
  - Easy entry
  - TRIP button
  - Steering column adjustment downward
  - Steering column adjustment upwards
  - Steering column adjustment forth
  - Steering column adjustment back
  - Current coolant level
- **Actuators**
  - Rotational speed sensor
  - Tachometer

- Immobilizer, warning light
- Instrument lighting
- Display illumination
- Steering column longitudinal adjustment
- Hazard warning switch LED
- Red warning lamp
- Temperature indicator
- Yellow warning lamp
- Fuel Gauge
- All Warning Lamp

**JAGUAR S-Type - S-Type 4.2 R V8 32V**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Oxygen sensor bank 2, sensor 1)</li> <li>- Air pressure sensor</li> <li>- Oxygen sensor voltage (bank 2-sensor 2)</li> <li>- Oxygen sensor heater (bank 2, sensor 1)</li> <li>- Kilometer reading</li> <li>- Fuel fill level signal</li> <li>- Clutch pedal switch</li> <li>- intake manifold pressure sensor</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit

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Engine control  
Engine management DEN X4.0

- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air compressor pressure signal
  - Voltage, throttle valve position sensor
  - Control unit Voltage sensor
  - Fuel pressure control
  - Vehicle driving speed
  - Fuel pump relay
  - Status idle reg.
  - Coolant temperature
  - Pulse-duty factor, fuel tank ventilation valve
  - Air mass meter voltage
  - Engine for reg. throttle valve
  - Engine revolution
  - intake manifold pressure
  - intake air mass
  - cruise control switch
  - Lights switch 1
  - Lights switch 2
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - fuel tank evaporation/regeneration valve
  - Main relay
  - voltage: engine pump
  - Air conditioner relay
  - Control unit, internal reference voltage
  - Intake air temperature
  - Catalytic converter temperature (Bank 2)
  - Exhausted gases signal lamp
  - Firing angle adjustment
  - Throttle valve position sensor 1
  - Throttle valve position sensor 2
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Short-term mixture correction, bank 1
  - Short-term mixture correction, bank 2
  - Long-term mixture correction, bank 1
  - Long-term mixture correction, bank 2
  - Oil temperature sensor
  - Stopping valve, fuel evaporation system
  - Clutch pedal switch
  - Switch Parking / Neutral
  - Generator exciter winding
  - Short-term AFR correction B1, S2
  - Short-term AFR correction B2, S2
  - Oil pressure switch

	<ul style="list-style-type: none"> <li>- Throttle valve position</li> <li>- Generator lamp</li> <li>- Relay starter</li> <li>- Throttle valve required position</li> <li>- Intake manifold pressure sensor voltage</li> <li>- mileage from the moment of switching on the lamp for failure</li> <li>- Radiator fan</li> <li>- Load, calculated value</li> <li>- Idle speed controller duty cycle</li> <li>- Charge Air Cooler Temperature</li> <li>- Voltage fuel temperature sensor</li> <li>- Atmospheric pressure sensor</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Air mass meter plausibility check</li> <li>- Oxygen sensor heater (B1,S2): status</li> <li>- Starter request</li> <li>- Intake air control valve 1</li> <li>- Intake air control valve 2</li> <li>- Intake air temperature signal voltage</li> <li>- Air conditioner monitoring status</li> <li>- Fuel shut-off signal</li> <li>- Engine coolant temperature sensor: signal voltage</li> <li>- Lambda sensor (bank 1, sensor 1) current</li> <li>- Oxygen sensor (bank 2, sensor 1) current</li> <li>- Oxygen sensors heating (bank 2, sensor 2): Status</li> <li>- Camshaft adjustment 2 duty cycle</li> <li>- Camshaft adjustment 2 position</li> <li>- Camshaft adjustment 1 duty cycle</li> <li>- Camshaft adjustment 1 position</li> <li>- Catalytic converter temperature (bank 1)</li> <li>- Oxygen sensor status (B1, S2)</li> <li>- Oxygen sensor status (bank 2, sensor 2)</li> <li>- EKP PWM</li> <li>- Fuel evaporation system voltage</li> <li>- Key combination Radiator fan</li> <li>- PWM Generator</li> <li>- Throttle valve control motor relay</li> <li>- Monitoring of fuel system</li> <li>- Cruise control voltage</li> <li>- Lambda ratio (Bank 1, sensor 1)</li> <li>- Lambda ratio (Bank 2, sensor 1)</li> <li>• <b>Actuators</b></li> <li>- Radiator fan controller (PWM)</li> </ul>
<p>Anti-block system ABS 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Brake pedal travel</li> <li>- Number of permanent faults</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Power supply sensors: Status</li> <li>- Lateral acceleration raw value</li> <li>- Yaw rate sensor value</li> <li>- Brake booster, solenoid valve, switching fault</li> <li>- Brake fluid level switch</li> <li>- Brake force booster – magnetic valve</li> <li>- Control unit operating status</li> <li>- Brake booster switch normally closed</li> <li>- Brake booster switch normally open</li> <li>• <b>Actuators</b></li> <li>- pump motor in the hydraulic modulator</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Brake pressure sensor zero pos. calibration</li> <li>- Lateral acceleration sensor zero position adjustment</li> </ul>

Anti-block system  
ESP W9.0

- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

Instrument cluster  
Instrument cluster 4.1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Reverse switch
  - Intensity of instrument illumination
  - Signal, terminal 15R (radio)
  - Number of actual errors
  - Odometer
  - Fog light control lamp
  - Rear fog lights control lamp
  - Master key identification
  - Number of authorized keys
  - Short lights switch
  - Working mode
  - Airbag gong
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Display background illumination
  - Driver's side seat belt
  - Automatic light switch
  - Daily odometer A
  - Ignition starter switch status
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Security access status
  - Ignition/starter switch signal: Start
  - Access control
  - Easy entry button
  - Power supply set value lower limit
  - Power supply set value upper limit
  - Number of faults after system test
  - Anti-theft alarm status
  - Horn switch
  - Display illumination level
  - Number of control unit resets
  - Steering column horizontal position
  - Steering column vertical position
  - Parking position switch

- Main beam input signal
- Steering column longitudinal position sensor
- Steering column height position sensor
- Easy entry
- TRIP button
- Steering column adjustment downward
- Steering column adjustment upwards
- Steering column adjustment forth
- Steering column adjustment back
- Current coolant level
- **Actuators**
  - Rotational speed sensor
  - Tachometer
  - Immobilizer, warning light
  - Instrument lighting
  - Display illumination
  - Steering column longitudinal adjustment
  - Hazard warning switch LED
  - Red warning lamp
  - Temperature indicator
  - Yellow warning lamp
  - Fuel Gauge
  - All Warning Lamp

**JAGUAR S-Type - S-Type 3.0 24V**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor pressure signal</li> <li>- Voltage, throttle valve position sensor</li> <li>- Control unit Voltage sensor</li> <li>- Fuel pressure control</li> <li>- Vehicle driving speed</li> <li>- Fuel pump relay</li> <li>- Status idle reg.</li> <li>- Coolant temperature</li> <li>- Pulse-duty factor, fuel tank ventilation valve</li> <li>- Air mass meter voltage</li> <li>- Engine for reg. throttle valve</li> <li>- Engine revolution</li> <li>- intake manifold pressure</li> <li>- intake air mass</li> <li>- cruise control switch</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- fuel tank evaporation/regeneration valve</li> <li>- Main relay</li> <li>- voltage: engine pump</li> <li>- Air conditioner relay</li> <li>- Control unit, internal reference voltage</li> <li>- Intake air temperature</li> <li>- Catalytic converter temperature (Bank 2)</li> <li>- Exhausted gases signal lamp</li> <li>- Firing angle adjustment</li> <li>- Throttle valve position sensor 1</li> <li>- Throttle valve position sensor 2</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Short-term mixture correction, bank 1</li> <li>- Short-term mixture correction, bank 2</li> <li>- Long-term mixture correction, bank 1</li> <li>- Long-term mixture correction, bank 2</li> <li>- Oil temperature sensor</li> <li>- Stopping valve, fuel evaporation system</li> <li>- Clutch pedal switch</li> <li>- Switch Parking / Neutral</li> </ul> </li> </ul>
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Engine control  
Engine management DEN X4.0

- Generator exciter winding
- Short-term AFR correction B1, S2
- Short-term AFR correction B2, S2
- Oil pressure switch
- Throttle valve position
- Generator lamp
- Relay starter
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Radiator fan
- Load, calculated value
- Idle speed controller duty cycle
- Charge Air Cooler Temperature
- Voltage fuel temperature sensor
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)
- **Actuators**
  - Radiator fan controller (PWM)

Anti-block system  
ABS 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Brake pedal travel
  - Number of permanent faults
  - Wheel speed rear left
  - Wheel speed rear right
  - Power supply sensors: Status
  - Lateral acceleration raw value
  - Yaw rate sensor value
  - Brake booster, solenoid valve, switching fault
  - Brake fluid level switch
  - Brake force booster – magnetic valve
  - Control unit operating status
  - Brake booster switch normally closed
  - Brake booster switch normally open
- **Actuators**
  - pump motor in the hydraulic modulator

- **Identification**



Anti-block system  
ESP W9.0

- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

Airbag  
Airbag AB X4.1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Number of actual errors
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance

**JAGUAR**

**S-Type - S-Type 4.0 32V**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor pressure signal</li> <li>- Voltage, throttle valve position sensor</li> <li>- Control unit Voltage sensor</li> <li>- Fuel pressure control</li> <li>- Vehicle driving speed</li> <li>- Fuel pump relay</li> <li>- Status idle reg.</li> <li>- Coolant temperature</li> <li>- Pulse-duty factor, fuel tank ventilation valve</li> <li>- Air mass meter voltage</li> <li>- Engine for reg. throttle valve</li> <li>- Engine revolution</li> <li>- intake manifold pressure</li> <li>- intake air mass</li> <li>- cruise control switch</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> </ul> </li> </ul>

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Engine control  
Engine management DEN X4.0

- fuel tank evaporation/regeneration valve
- Main relay
- voltage: engine pump
- Air conditioner relay
- Control unit, internal reference voltage
- Intake air temperature
- Catalytic converter temperature (Bank 2)
- Exhausted gases signal lamp
- Firing angle adjustment
- Throttle valve position sensor 1
- Throttle valve position sensor 2
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Short-term mixture correction, bank 1
- Short-term mixture correction, bank 2
- Long-term mixture correction, bank 1
- Long-term mixture correction, bank 2
- Oil temperature sensor
- Stopping valve, fuel evaporation system
- Clutch pedal switch
- Switch Parking / Neutral
- Generator exciter winding
- Short-term AFR correction B1, S2
- Short-term AFR correction B2, S2
- Oil pressure switch
- Throttle valve position
- Generator lamp
- Relay starter
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Radiator fan
- Load, calculated value
- Idle speed controller duty cycle
- Charge Air Cooler Temperature
- Voltage fuel temperature sensor
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)
- **Actuators**
  - Radiator fan controller (PWM)

- **Identification**
- **Clear errors**
- **Error memory**

Anti-block system  
ABS 4.0

- **Current values**
- Brake pedal switch
- Wheel speed front left
- Wheel speed front right
- Brake pedal travel
- Number of permanent faults
- Wheel speed rear left
- Wheel speed rear right
- Power supply sensors: Status
- Lateral acceleration raw value
- Yaw rate sensor value
- Brake booster, solenoid valve, switching fault
- Brake fluid level switch
- Brake force booster – magnetic valve
- Control unit operating status
- Brake booster switch normally closed
- Brake booster switch normally open
- **Actuators**
- pump motor in the hydraulic modulator

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
- Brake pressure sensor zero pos. calibration
- Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
- rotation angle sensor
- Lateral acceleration sensor
- Brake pedal switch
- Wheel speed front left
- Wheel speed front right
- Wheel speed rear left
- Wheel speed rear right
- Pressure sensor

Airbag  
Airbag AB X4.1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
- Battery voltage
- Number of actual errors
- Resistance pretensioner driver side
- Resistance pretensioner front passenger side
- Resistance ZK1 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- FS front side airbag resistance
- BFS front side airbag resistance

**JAGUAR S-Type - S-Type 2.5 24V**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Air compressor pressure signal</li> <li>- Voltage, throttle valve position sensor</li> <li>- Control unit Voltage sensor</li> <li>- Fuel pressure control</li> <li>- Vehicle driving speed</li> <li>- Fuel pump relay</li> <li>- Status idle reg.</li> <li>- Coolant temperature</li> <li>- Pulse-duty factor, fuel tank ventilation valve</li> <li>- Air mass meter voltage</li> <li>- Engine for reg. throttle valve</li> <li>- Engine revolution</li> <li>- intake manifold pressure</li> <li>- intake air mass</li> <li>- cruise control switch</li> </ul>
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Engine control  
Engine management DEN X4.0

- Lights switch 1
- Lights switch 2
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- fuel tank evaporation/regeneration valve
- Main relay
- voltage: engine pump
- Air conditioner relay
- Control unit, internal reference voltage
- Intake air temperature
- Catalytic converter temperature (Bank 2)
- Exhausted gases signal lamp
- Firing angle adjustment
- Throttle valve position sensor 1
- Throttle valve position sensor 2
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Short-term mixture correction, bank 1
- Short-term mixture correction, bank 2
- Long-term mixture correction, bank 1
- Long-term mixture correction, bank 2
- Oil temperature sensor
- Stopping valve, fuel evaporation system
- Clutch pedal switch
- Switch Parking / Neutral
- Generator exciter winding
- Short-term AFR correction B1, S2
- Short-term AFR correction B2, S2
- Oil pressure switch
- Throttle valve position
- Generator lamp
- Relay starter
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Radiator fan
- Load, calculated value
- Idle speed controller duty cycle
- Charge Air Cooler Temperature
- Voltage fuel temperature sensor
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)
- **Actuators**
  - Radiator fan controller (PWM)

2001/10  
-  
2005/07

JB

2.5

200

Anti-block system  
ABS 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Brake pedal travel
  - Number of permanent faults
  - Wheel speed rear left
  - Wheel speed rear right
  - Power supply sensors: Status
  - Lateral acceleration raw value
  - Yaw rate sensor value
  - Brake booster, solenoid valve, switching fault
  - Brake fluid level switch
  - Brake force booster – magnetic valve
  - Control unit operating status
  - Brake booster switch normally closed
  - Brake booster switch normally open
- **Actuators**
  - pump motor in the hydraulic modulator

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Reverse switch
  - Intensity of instrument illumination
  - Signal, terminal 15R (radio)
  - Number of actual errors
  - Odometer
  - Fog light control lamp
  - Rear fog lights control lamp
  - Master key identification
  - Number of authorized keys

Instrument cluster  
Instrument cluster 4.1

- Short lights switch
- Working mode
- Airbag gong
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Display background illumination
- Driver's side seat belt
- Automatic light switch
- Daily odometer A
- Ignition starter switch status
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Security access status
- Ignition/starter switch signal: Start
- Access control
- Easy entry button
- Power supply set value lower limit
- Power supply set value upper limit
- Number of faults after system test
- Anti-theft alarm status
- Horn switch
- Display illumination level
- Number of control unit resets
- Steering column horizontal position
- Steering column vertical position
- Parking position switch
- Main beam input signal
- Steering column longitudinal position sensor
- Steering column height position sensor
- Easy entry
- TRIP button
- Steering column adjustment downward
- Steering column adjustment upwards
- Steering column adjustment forth
- Steering column adjustment back
- Current coolant level
- **Actuators**
- Rotational speed sensor
- Tachometer
- Immobilizer, warning light
- Instrument lighting
- Display illumination
- Steering column longitudinal adjustment
- Hazard warning switch LED
- Red warning lamp
- Temperature indicator
- Yellow warning lamp
- Fuel Gauge
- All Warning Lamp

**JAGUAR S-Type - S-Type 2.7 D**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Diesel particle filter adjustment</li> <li>- High-pressure pump, initialization</li> <li>- Electr. fuel pump activation</li> <li>- Reset EKP adaptation values</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor pressure signal</li> <li>- Oil quality</li> <li>- Additional warming up</li> <li>- Intake charge-air temperature</li> <li>- Fuel pump relay</li> <li>- Fuel temperature</li> </ul> </li> </ul>

Engine control  
Diesel CR/EDC SID 20x

- Coolant temperature
- Battery voltage
- Engine revolution
- intake manifold pressure
- Exhaust gas recirculation control
- Lights switch 1
- Lights switch 2
- Clutch switch
- atmospheric pressure
- recommended idle revolutions
- cruise control, signal adjustment
- Nominal parameters throttle valve
- engine oil temperature
- warming up relay
- Intake air temperature
- Engine oil level
- Control unit, Voltage sensor 1
- Control unit, Voltage sensor 2
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- EGR valve set position
- Driving speed control
- intake manifold pressure sensor
- Switch Parking / Neutral
- pedal position sensor 1
- pedal position sensor 2
- Fuel level in the tank
- Rail pressure (measured)
- Requested voltage Generator
- Charging-air pressure magnetic valve 1
- Charging-air pressure magnetic valve 2
- Load, calculated value
- Ambient temperature
- Driver's Demand Engine Torque
- Actual Engine Torque
- Fuel level signal 1
- Fuel level signal 2
- Air mass meter A
- Air mass meter B
- DPF temperature
- EGR Duty cycle/Position A, set value
- EGR Duty cycle/Position A, actual value
- EGR B Duty Cycle/Position, set value
- EGR B Duty Cycle/Position, actual value
- DPF Regeneration Type
- No. of successful regen. operations
- Mileage since last DPF regeneration
- Number of terminated DPF regenerations
- Intake manifold pressure difference
- Status Generator
- Ignition voltage supply
- Rail pressure control valve
- Battery management
- Boost pressure control status bank 1
- Boost pressure control status, bank 2
- Mileage since DPF cleaning
- Fuel metering valve
- Exhaust gas recirculation correction
- Injector 1 correction value
- Injector 2 correction value
- Injector 3 correction value
- Injector 4 correction value
- Injector 5 correction value
- Injector 6 correction value
- Actuation EGR valve
- Exhaust gas flap, actual value
- Swirl flap position
- Ignition/starter switch signal: Start
- Refueling volume
- Throttle valve position: Position control deviation
- Calculated engine torque
- DC/DC converter: Output voltage
- DPF stat.: Regeneration time counter

2004/06  
-  
2008/03

276DT  
7B/7G

2.7

207

Anti-block system  
ABS 4.0

- Optimum distance between DPF regenerations
- No. of incomplete regenerations
- No. of slow regenerations Motorway
- No. of slow regenerations Urban traffic
- No. of fast regenerations Motorway
- No. of fast regenerations Urban traffic
- Slow regeneration Motorway
- Slow regeneration Motorway history
- Slow regeneration Urban traffic
- Slow regeneration Urban traffic history
- Fast regeneration Motorway
- Fast regeneration Motorway history
- Fast regeneration Urban traffic
- Fast regeneration Urban traffic history
- Control unit temperature
- Particle filter differential pressure
- Injection period post-injection
- Accelerator pedal angle
- Carbon black content Particle filter
- Time since engine running
- Particle/nitrog.ox. filter status
- Mileage since last regeneration attempt
- Cruise control voltage
- Limp-home regeneration operations count
- Cooling fan operating status
- Engine coolant temperature 1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Brake pedal travel
  - Number of permanent faults
  - Wheel speed rear left
  - Wheel speed rear right
  - Power supply sensors: Status
  - Lateral acceleration raw value
  - Yaw rate sensor value
  - Brake booster, solenoid valve, switching fault
  - Brake fluid level switch
  - Brake force booster – magnetic valve
  - Control unit operating status
  - Brake booster switch normally closed
  - Brake booster switch normally open
- **Actuators**
  - pump motor in the hydraulic modulator

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat



Airbag  
Airbag AB X4.0

- Resistance pretensioner driver side
- Resistance pretensioner front passenger side
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- FS front side airbag resistance
- BFS front side airbag resistance
- Fault codes count
- Front DS seat position sensor

Instrument cluster  
Instrument cluster 4.1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Reverse switch
  - Intensity of instrument illumination
  - Signal, terminal 15R (radio)
  - Number of actual errors
  - Odometer
  - Fog light control lamp
  - Rear fog lights control lamp
  - Master key identification
  - Number of authorized keys
  - Short lights switch
  - Working mode
  - Airbag gong
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Display background illumination
  - Driver's side seat belt
  - Automatic light switch
  - Daily odometer A
  - Ignition starter switch status
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Security access status
  - Ignition/starter switch signal: Start
  - Access control
  - Easy entry button
  - Power supply set value lower limit
  - Power supply set value upper limit
  - Number of faults after system test
  - Anti-theft alarm status
  - Horn switch
  - Display illumination level
  - Number of control unit resets
  - Steering column horizontal position
  - Steering column vertical position
  - Parking position switch
  - Main beam input signal
  - Steering column longitudinal position sensor
  - Steering column height position sensor
  - Easy entry
  - TRIP button
  - Steering column adjustment downward
  - Steering column adjustment upwards
  - Steering column adjustment forth
  - Steering column adjustment back
  - Current coolant level
- **Actuators**
  - Rotational speed sensor
  - Tachometer
  - Immobilizer, warning light
  - Instrument lighting
  - Display illumination
  - Steering column longitudinal adjustment
  - Hazard warning switch LED

- Red warning lamp
- Temperature indicator
- Yellow warning lamp
- Fuel Gauge
- All Warning Lamp

**JAGUAR X-Type - X-Type 2.5 AWD**

Year	Engine	Liters	HP	System	Functions
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				Engine control Engine management DEN X4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor pressure signal</li> <li>- Voltage, throttle valve position sensor</li> <li>- Control unit Voltage sensor</li> <li>- Fuel pressure control</li> <li>- Vehicle driving speed</li> <li>- Fuel pump relay</li> <li>- Status idle reg.</li> <li>- Coolant temperature</li> <li>- Pulse-duty factor, fuel tank ventilation valve</li> <li>- Air mass meter voltage</li> <li>- Engine for reg. throttle valve</li> <li>- Engine revolution</li> <li>- intake manifold pressure</li> <li>- intake air mass</li> <li>- cruise control switch</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- fuel tank evaporation/regeneration valve</li> <li>- Main relay</li> <li>- voltage: engine pump</li> <li>- Air conditioner relay</li> <li>- Control unit, internal reference voltage</li> <li>- Intake air temperature</li> <li>- Catalytic converter temperature (Bank 2)</li> <li>- Exhausted gases signal lamp</li> <li>- Firing angle adjustment</li> <li>- Throttle valve position sensor 1</li> <li>- Throttle valve position sensor 2</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Short-term mixture correction, bank 1</li> <li>- Short-term mixture correction, bank 2</li> <li>- Long-term mixture correction, bank 1</li> <li>- Long-term mixture correction, bank 2</li> <li>- Oil temperature sensor</li> <li>- Stopping valve, fuel evaporation system</li> <li>- Clutch pedal switch</li> <li>- Switch Parking / Neutral</li> <li>- Generator exciter winding</li> <li>- Short-term AFR correction B1, S2</li> <li>- Short-term AFR correction B2, S2</li> <li>- Oil pressure switch</li> <li>- Throttle valve position</li> <li>- Generator lamp</li> <li>- Relay starter</li> <li>- Throttle valve required position</li> <li>- Intake manifold pressure sensor voltage</li> <li>- mileage from the moment of switching on the lamp for failure</li> <li>- Radiator fan</li> <li>- Load, calculated value</li> <li>- Idle speed controller duty cycle</li> <li>- Charge Air Cooler Temperature</li> <li>- Voltage fuel temperature sensor</li> <li>- Atmospheric pressure sensor</li> </ul> </li> </ul>
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2001/03  
-  
2009/11

XB

2.5

196

- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)
- **Actuators**
  - Radiator fan controller (PWM)

Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rare right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

Airbag  
Airbag AB X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

- **Identification**

Instrument cluster  
Instrument cluster X4.0

- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Fuel level in the tank
  - Oil pressure switch
  - Odometer
  - Side lights, switch
  - Short lights switch
  - Display background illumination
  - Ignition switch position
  - Ignition starter switch status
  - Ignition/starter switch signal: Start
  - Brake fluid level switch
  - Parking brake switch
  - TRIP button
  - Minimum washer fluid level
- **Actuators**
  - Revolution meter
  - Reverse gear
  - Fuel level meter
  - Tachometer
  - Immobilizer, warning light
  - Display illumination
  - Temperature indicator
  - LCD intensity
  - All Warning Lamp

**JAGUAR X-Type - X-Type 3.0 AWD**

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air compressor pressure signal
  - Voltage, throttle valve position sensor
  - Control unit Voltage sensor
  - Fuel pressure control
  - Vehicle driving speed
  - Fuel pump relay
  - Status idle reg.
  - Coolant temperature
  - Pulse-duty factor, fuel tank ventilation valve
  - Air mass meter voltage
  - Engine for reg. throttle valve
  - Engine revolution
  - intake manifold pressure
  - intake air mass
  - cruise control switch
  - Lights switch 1
  - Lights switch 2
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - fuel tank evaporation/regeneration valve
  - Main relay
  - voltage: engine pump
  - Air conditioner relay
  - Control unit, internal reference voltage
  - Intake air temperature
  - Catalytic converter temperature (Bank 2)
  - Exhausted gases signal lamp
  - Firing angle adjustment
  - Throttle valve position sensor 1
  - Throttle valve position sensor 2
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Short-term mixture correction, bank 1
  - Short-term mixture correction, bank 2

2001/03  
-  
2009/11

WB

3.0

230 -  
234

Engine control  
Engine management DEN X4.0

- Long-term mixture correction, bank 1
- Long-term mixture correction, bank 2
- Oil temperature sensor
- Stopping valve, fuel evaporation system
- Clutch pedal switch
- Switch Parking / Neutral
- Generator exciter winding
- Short-term AFR correction B1, S2
- Short-term AFR correction B2, S2
- Oil pressure switch
- Throttle valve position
- Generator lamp
- Relay starter
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Radiator fan
- Load, calculated value
- Idle speed controller duty cycle
- Charge Air Cooler Temperature
- Voltage fuel temperature sensor
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)
- **Actuators**
  - Radiator fan controller (PWM)

Airbag  
Airbag AB X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

Instrument cluster  
Instrument cluster X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Fuel level in the tank
  - Oil pressure switch
  - Odometer
  - Side lights, switch
  - Short lights switch
  - Display background illumination
  - Ignition switch position
  - Ignition starter switch status
  - Ignition/starter switch signal: Start
  - Brake fluid level switch
  - Parking brake switch
  - TRIP button
  - Minimum washer fluid level
- **Actuators**
  - Revolution meter
  - Reverse gear
  - Fuel level meter
  - Tachometer
  - Immobilizer, warning light
  - Display illumination
  - Temperature indicator
  - LCD intensity
  - All Warning Lamp

**JAGUAR**

**X-Type - X-Type 2.0**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor pressure signal</li> <li>- Voltage, throttle valve position sensor</li> <li>- Control unit Voltage sensor</li> <li>- Fuel pressure control</li> <li>- Vehicle driving speed</li> <li>- Fuel pump relay</li> <li>- Status idle reg.</li> <li>- Coolant temperature</li> <li>- Pulse-duty factor, fuel tank ventilation valve</li> <li>- Air mass meter voltage</li> <li>- Engine for reg. throttle valve</li> <li>- Engine revolution</li> <li>- intake manifold pressure</li> <li>- intake air mass</li> <li>- cruise control switch</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- fuel tank evaporation/regeneration valve</li> <li>- Main relay</li> <li>- voltage: engine pump</li> <li>- Air conditioner relay</li> <li>- Control unit, internal reference voltage</li> <li>- Intake air temperature</li> <li>- Catalytic converter temperature (Bank 2)</li> <li>- Exhausted gases signal lamp</li> <li>- Firing angle adjustment</li> <li>- Throttle valve position sensor 1</li> <li>- Throttle valve position sensor 2</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> </ul> </li> </ul>

2002/03  
-  
2005/10

YB

2.0

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Engine control  
Engine management DEN X4.0

- Short-term mixture correction, bank 1
- Short-term mixture correction, bank 2
- Long-term mixture correction, bank 1
- Long-term mixture correction, bank 2
- Oil temperature sensor
- Stopping valve, fuel evaporation system
- Clutch pedal switch
- Switch Parking / Neutral
- Generator exciter winding
- Short-term AFR correction B1, S2
- Short-term AFR correction B2, S2
- Oil pressure switch
- Throttle valve position
- Generator lamp
- Relay starter
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Radiator fan
- Load, calculated value
- Idle speed controller duty cycle
- Charge Air Cooler Temperature
- Voltage fuel temperature sensor
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)
- **Actuators**
  - Radiator fan controller (PWM)

Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rare right tire speed

					<ul style="list-style-type: none"> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul>
				Airbag Airbag AB X4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> <li>- Fault codes count</li> <li>- Front DS seat position sensor</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster X4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Mileage in km or miles</li> <li>- Trip counter reset</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Odometer</li> <li>- Side lights, switch</li> <li>- Short lights switch</li> <li>- Display background illumination</li> <li>- Ignition switch position</li> <li>- Ignition starter switch status</li> <li>- Ignition/starter switch signal: Start</li> <li>- Brake fluid level switch</li> <li>- Parking brake switch</li> <li>- TRIP button</li> <li>- Minimum washer fluid level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Revolution meter</li> <li>- Reverse gear</li> <li>- Fuel level meter</li> <li>- Tachometer</li> <li>- Immobilizer, warning light</li> <li>- Display illumination</li> <li>- Temperature indicator</li> <li>- LCD intensity</li> <li>- All Warning Lamp</li> </ul> </li> </ul>

**JAGUAR** X-Type - X-Type 2.0 D

Year	Engine	Liters	HP	System	Functions
				Anti-block system ESP 8.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> </ul> </li> </ul>



2003/09  
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2005/10

FMBA/B 6B

2.0

130

Airbag  
Airbag AB X4.0

Instrument cluster  
Instrument cluster X4.0

- front left tire speed
- front right tire speed
- rare right tire speed
- rear left tire speed
- rotation angle sensor
- pressure sensor
- Lateral acceleration sensor
- Driving wheels angle

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Fuel level in the tank
  - Oil pressure switch
  - Odometer
  - Side lights, switch
  - Short lights switch
  - Display background illumination
  - Ignition switch position
  - Ignition starter switch status
  - Ignition/starter switch signal: Start
  - Brake fluid level switch
  - Parking brake switch
  - TRIP button
  - Minimum washer fluid level
- **Actuators**
  - Revolution meter
  - Reverse gear
  - Fuel level meter
  - Tachometer
  - Immobilizer, warning light
  - Display illumination
  - Temperature indicator
  - LCD intensity
  - All Warning Lamp

- **Identification**
- **Clear errors**
- **Functional tests**
  - Quantities comparison
- **Adjustments / settings**
  - Injector quantity adjustment
- **Error memory**
- **Current values**
  - Power supply
  - Quantity correction for cylinder 1
  - Quantity correction for cylinder 2
  - Quantity correction for cylinder 3
  - Quantity correction for cylinder 4
  - Vehicle driving speed
  - Fuel temperature

Engine control  
EEC5-EDC Common Rail

- Coolant temperature
- Air mass meter voltage
- fan for blowing radiator control
- intake manifold pressure
- air conditioner
- EGR valve - position
- Coolant temperature sensor
- Rail pressure, actual
- Intake air temperature
- pulse-duty factor, turbo valve
- intake manifold pressure sensor
- pedal position sensor 1
- pedal position sensor 2
- Misfire detection
- pedal position sensor 3
- Set injection quantity
- Glow plugs control
- Clutch pedal position

**JAGUAR X-Type - X-Type 2.2 D**

Year	Engine	Liters	HP	System	Functions
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Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rare right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

Airbag  
Airbag AB X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Fuel level in the tank
  - Oil pressure switch

2005/09 - 2009/11	QJBA BG	2.2	145 - 155	Instrument cluster Instrument cluster X4.0	<ul style="list-style-type: none"> <li>- Odometer</li> <li>- Side lights, swtich</li> <li>- Short lights switch</li> <li>- Display background illumination</li> <li>- Ignition switch position</li> <li>- Ignition starter switch status</li> <li>- Ignition/starter switch signal: Start</li> <li>- Brake fluid level switch</li> <li>- Parking brake switch</li> <li>- TRIP button</li> <li>- Minimum washer fluid level</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Revolution meter</li> <li>- Reverse gear</li> <li>- Fuel level meter</li> <li>- Tachometer</li> <li>- Immobilizer, warning light</li> <li>- Display illumination</li> <li>- Temperature indicator</li> <li>- LCD intensity</li> <li>- All Warning Lamp</li> </ul> </li> </ul>
				Engine control EEC5-EDC Common Rail	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Quantity correction for cylinder 1</li> <li>- Quantity correction for cylinder 2</li> <li>- Quantity correction for cylinder 3</li> <li>- Quantity correction for cylinder 4</li> <li>- Vehicle driving speed</li> <li>- Fuel temperature</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- fan for blowing radiator control</li> <li>- intake manifold pressure</li> <li>- air conditioner</li> <li>- EGR valve - position</li> <li>- Coolant temperature sensor</li> <li>- Rail pressure, actual</li> <li>- Intake air temperature</li> <li>- pulse-duty factor, turbo valve</li> <li>- intake manifold pressure sensor</li> <li>- pedal position sensor 1</li> <li>- pedal position sensor 2</li> <li>- Misfire detection</li> <li>- pedal position sensor 3</li> <li>- Set injection quantity</li> <li>- Glow plugs control</li> <li>- Clutch pedal position</li> </ul> </li> </ul>

**JAGUAR X-Type Estate - X-Type 2.5 Estate**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor pressure signal</li> <li>- Voltage, throttle valve position sensor</li> <li>- Control unit Voltage sensor</li> <li>- Fuel pressure control</li> <li>- Vehicle driving speed</li> <li>- Fuel pump relay</li> <li>- Status idle reg.</li> <li>- Coolant temperature</li> </ul> </li> </ul>

2003/09  
-  
2009/12

XB

2.5

196

Engine control  
Engine management DEN X4.0

- Pulse-duty factor, fuel tank ventilation valve
- Air mass meter voltage
- Engine for reg. throttle valve
- Engine revolution
- intake manifold pressure
- intake air mass
- cruise control switch
- Lights switch 1
- Lights switch 2
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- fuel tank evaporation/regeneration valve
- Main relay
- voltage: engine pump
- Air conditioner relay
- Control unit, internal reference voltage
- Intake air temperature
- Catalytic converter temperature (Bank 2)
- Exhausted gases signal lamp
- Firing angle adjustment
- Throttle valve position sensor 1
- Throttle valve position sensor 2
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Short-term mixture correction, bank 1
- Short-term mixture correction, bank 2
- Long-term mixture correction, bank 1
- Long-term mixture correction, bank 2
- Oil temperature sensor
- Stopping valve, fuel evaporation system
- Clutch pedal switch
- Switch Parking / Neutral
- Generator exciter winding
- Short-term AFR correction B1, S2
- Short-term AFR correction B2, S2
- Oil pressure switch
- Throttle valve position
- Generator lamp
- Relay starter
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Radiator fan
- Load, calculated value
- Idle speed controller duty cycle
- Charge Air Cooler Temperature
- Voltage fuel temperature sensor
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator

	<ul style="list-style-type: none"> <li>- Throttle valve control motor relay</li> <li>- Monitoring of fuel system</li> <li>- Cruise control voltage</li> <li>- Lambda ratio (Bank 1, sensor 1)</li> <li>- Lambda ratio (Bank 2, sensor 1)</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Radiator fan controller (PWM)</li> </ul> </li> </ul>
<p>Anti-block system ESP 8.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>
<p>Airbag Airbag AB X4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> <li>- Fault codes count</li> <li>- Front DS seat position sensor</li> </ul> </li> </ul>
<p>Instrument cluster Instrument cluster X4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Mileage in km or miles</li> <li>- Trip counter reset</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Odometer</li> <li>- Side lights, switch</li> <li>- Short lights switch</li> <li>- Display background illumination</li> <li>- Ignition switch position</li> <li>- Ignition starter switch status</li> <li>- Ignition/starter switch signal: Start</li> <li>- Brake fluid level switch</li> <li>- Parking brake switch</li> <li>- TRIP button</li> <li>- Minimum washer fluid level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Revolution meter</li> <li>- Reverse gear</li> <li>- Fuel level meter</li> <li>- Tachometer</li> </ul> </li> </ul>

- Immobilizer, warning light
- Display illumination
- Temperature indicator
- LCD intensity
- All Warning Lamp

**JAGUAR X-Type Estate - X-Type 3.0 Estate**

Year	Engine	Liters	HP	System	Functions
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				Engine control Engine management DEN X4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor pressure signal</li> <li>- Voltage, throttle valve position sensor</li> <li>- Control unit Voltage sensor</li> <li>- Fuel pressure control</li> <li>- Vehicle driving speed</li> <li>- Fuel pump relay</li> <li>- Status idle reg.</li> <li>- Coolant temperature</li> <li>- Pulse-duty factor, fuel tank ventilation valve</li> <li>- Air mass meter voltage</li> <li>- Engine for reg. throttle valve</li> <li>- Engine revolution</li> <li>- intake manifold pressure</li> <li>- intake air mass</li> <li>- cruise control switch</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- fuel tank evaporation/regeneration valve</li> <li>- Main relay</li> <li>- voltage: engine pump</li> <li>- Air conditioner relay</li> <li>- Control unit, internal reference voltage</li> <li>- Intake air temperature</li> <li>- Catalytic converter temperature (Bank 2)</li> <li>- Exhausted gases signal lamp</li> <li>- Firing angle adjustment</li> <li>- Throttle valve position sensor 1</li> <li>- Throttle valve position sensor 2</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Short-term mixture correction, bank 1</li> <li>- Short-term mixture correction, bank 2</li> <li>- Long-term mixture correction, bank 1</li> <li>- Long-term mixture correction, bank 2</li> <li>- Oil temperature sensor</li> <li>- Stopping valve, fuel evaporation system</li> <li>- Clutch pedal switch</li> <li>- Switch Parking / Neutral</li> <li>- Generator exciter winding</li> <li>- Short-term AFR correction B1, S2</li> <li>- Short-term AFR correction B2, S2</li> <li>- Oil pressure switch</li> <li>- Throttle valve position</li> <li>- Generator lamp</li> <li>- Relay starter</li> <li>- Throttle valve required position</li> <li>- Intake manifold pressure sensor voltage</li> <li>- mileage from the moment of switching on the lamp for failure</li> <li>- Radiator fan</li> <li>- Load, calculated value</li> <li>- Idle speed controller duty cycle</li> <li>- Charge Air Cooler Temperature</li> <li>- Voltage fuel temperature sensor</li> <li>- Atmospheric pressure sensor</li> <li>- Exhaust gas recirculation Position Target Value</li> </ul> </li> </ul>
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2003/09  
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2009/12

WB

3.0

230 -  
234

- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)
- **Actuators**
  - Radiator fan controller (PWM)

Airbag  
Airbag AB X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

Instrument cluster  
Instrument cluster X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Fuel level in the tank
  - Oil pressure switch
  - Odometer
  - Side lights, switch
  - Short lights switch
  - Display background illumination
  - Ignition switch position
  - Ignition starter switch status
  - Ignition/starter switch signal: Start
  - Brake fluid level switch
  - Parking brake switch
  - TRIP button
  - Minimum washer fluid level
- **Actuators**
  - Revolution meter
  - Reverse gear
  - Fuel level meter

- Tachometer
- Immobilizer, warning light
- Display illumination
- Temperature indicator
- LCD intensity
- All Warning Lamp

**JAGUAR X-Type Estate - X-Type 2.0 Estate**

Year	Engine	Liters	HP	System	Functions
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				Engine control Engine management DEN X4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor pressure signal</li> <li>- Voltage, throttle valve position sensor</li> <li>- Control unit Voltage sensor</li> <li>- Fuel pressure control</li> <li>- Vehicle driving speed</li> <li>- Fuel pump relay</li> <li>- Status idle reg.</li> <li>- Coolant temperature</li> <li>- Pulse-duty factor, fuel tank ventilation valve</li> <li>- Air mass meter voltage</li> <li>- Engine for reg. throttle valve</li> <li>- Engine revolution</li> <li>- intake manifold pressure</li> <li>- intake air mass</li> <li>- cruise control switch</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- fuel tank evaporation/regeneration valve</li> <li>- Main relay</li> <li>- voltage: engine pump</li> <li>- Air conditioner relay</li> <li>- Control unit, internal reference voltage</li> <li>- Intake air temperature</li> <li>- Catalytic converter temperature (Bank 2)</li> <li>- Exhausted gases signal lamp</li> <li>- Firing angle adjustment</li> <li>- Throttle valve position sensor 1</li> <li>- Throttle valve position sensor 2</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Short-term mixture correction, bank 1</li> <li>- Short-term mixture correction, bank 2</li> <li>- Long-term mixture correction, bank 1</li> <li>- Long-term mixture correction, bank 2</li> <li>- Oil temperature sensor</li> <li>- Stopping valve, fuel evaporation system</li> <li>- Clutch pedal switch</li> <li>- Switch Parking / Neutral</li> <li>- Generator exciter winding</li> <li>- Short-term AFR correction B1, S2</li> <li>- Short-term AFR correction B2, S2</li> <li>- Oil pressure switch</li> <li>- Throttle valve position</li> <li>- Generator lamp</li> <li>- Relay starter</li> <li>- Throttle valve required position</li> <li>- Intake manifold pressure sensor voltage</li> <li>- mileage from the moment of switching on the lamp for failure</li> <li>- Radiator fan</li> <li>- Load, calculated value</li> <li>- Idle speed controller duty cycle</li> <li>- Charge Air Cooler Temperature</li> <li>- Voltage fuel temperature sensor</li> <li>- Atmospheric pressure sensor</li> </ul> </li> </ul>
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- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)
- **Actuators**
  - Radiator fan controller (PWM)

Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rare right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

Airbag  
Airbag AB X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

- **Identification**

Instrument cluster  
Instrument cluster X4.0

- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Fuel level in the tank
  - Oil pressure switch
  - Odometer
  - Side lights, switch
  - Short lights switch
  - Display background illumination
  - Ignition switch position
  - Ignition starter switch status
  - Ignition/starter switch signal: Start
  - Brake fluid level switch
  - Parking brake switch
  - TRIP button
  - Minimum washer fluid level
- **Actuators**
  - Revolution meter
  - Reverse gear
  - Fuel level meter
  - Tachometer
  - Immobilizer, warning light
  - Display illumination
  - Temperature indicator
  - LCD intensity
  - All Warning Lamp

**JAGUAR X-Type Estate - X-Type 2.0 D Estate**

Year	Engine	Liters	HP	System	Functions
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Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rear right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

Airbag  
Airbag AB X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count

2003/09 - 2005/10	FMBA/B 6B	2.0	131	Instrument cluster Instrument cluster X4.0	<ul style="list-style-type: none"> <li>- Front DS seat position sensor</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Mileage in km or miles</li> <li>- Trip counter reset</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Odometer</li> <li>- Side lights, switch</li> <li>- Short lights switch</li> <li>- Display background illumination</li> <li>- Ignition switch position</li> <li>- Ignition starter switch status</li> <li>- Ignition/starter switch signal: Start</li> <li>- Brake fluid level switch</li> <li>- Parking brake switch</li> <li>- TRIP button</li> <li>- Minimum washer fluid level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Revolution meter</li> <li>- Reverse gear</li> <li>- Fuel level meter</li> <li>- Tachometer</li> <li>- Immobilizer, warning light</li> <li>- Display illumination</li> <li>- Temperature indicator</li> <li>- LCD intensity</li> <li>- All Warning Lamp</li> </ul> </li> </ul>
				Engine control EEC5-EDC Common Rail	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Quantity correction for cylinder 1</li> <li>- Quantity correction for cylinder 2</li> <li>- Quantity correction for cylinder 3</li> <li>- Quantity correction for cylinder 4</li> <li>- Vehicle driving speed</li> <li>- Fuel temperature</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- fan for blowing radiator control</li> <li>- intake manifold pressure</li> <li>- air conditioner</li> <li>- EGR valve - position</li> <li>- Coolant temperature sensor</li> <li>- Rail pressure, actual</li> <li>- Intake air temperature</li> <li>- pulse-duty factor, turbo valve</li> <li>- intake manifold pressure sensor</li> <li>- pedal position sensor 1</li> <li>- pedal position sensor 2</li> <li>- Misfire detection</li> <li>- pedal position sensor 3</li> <li>- Set injection quantity</li> <li>- Glow plugs control</li> <li>- Clutch pedal position</li> </ul> </li> </ul>

**JAGUAR X-Type Estate - X-Type 2.2 D Estate**

Year	Engine	Liters	HP	System	Functions
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					• <b>Identification</b>
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Anti-block system  
ESP 8.1

- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rare right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

Airbag  
Airbag AB X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Seat belt lock switch driver seat front
  - Seat belt lock switch front passenger seat
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance
  - Fault codes count
  - Front DS seat position sensor

Instrument cluster  
Instrument cluster X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Fuel level in the tank
  - Oil pressure switch
  - Odometer
  - Side lights, switch
  - Short lights switch
  - Display background illumination
  - Ignition switch position
  - Ignition starter switch status
  - Ignition/starter switch signal: Start
  - Brake fluid level switch
  - Parking brake switch
  - TRIP button
  - Minimum washer fluid level
- **Actuators**
  - Revolution meter
  - Reverse gear
  - Fuel level meter
  - Tachometer
  - Immobilizer, warning light
  - Display illumination
  - Temperature indicator
  - LCD intensity
  - All Warning Lamp

- **Identification**
- **Clear errors**
- **Functional tests**

Engine control  
EEC5-EDC Common Rail

- Quantities comparison
- **Adjustments / settings**
  - Injector quantity adjustment
- **Error memory**
- **Current values**
  - Power supply
  - Quantity correction for cylinder 1
  - Quantity correction for cylinder 2
  - Quantity correction for cylinder 3
  - Quantity correction for cylinder 4
  - Vehicle driving speed
  - Fuel temperature
  - Coolant temperature
  - Air mass meter voltage
  - fan for blowing radiator control
  - intake manifold pressure
  - air conditioner
  - EGR valve - position
  - Coolant temperature sensor
  - Rail pressure, actual
  - Intake air temperature
  - pulse-duty factor, turbo valve
  - intake manifold pressure sensor
  - pedal position sensor 1
  - pedal position sensor 2
  - Misfire detection
  - pedal position sensor 3
  - Set injection quantity
  - Glow plugs control
  - Clutch pedal position

**JAGUAR** **XF - XF 3.0 V6**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request

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- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rear right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage

Airbag  
Airbag AB 4.0

- Kilometer reading
- Voltage belt lock driver's side
- Voltage belt lock front passenger's side
- Front left door status
- Front right door status
- Rear left door status
- Rear right door status
- Switch for passenger-side airbag
- Right curtain/side airbag
- Left curtain/side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor



Instrument cluster  
Instrument cluster 4.0

- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

JAGUAR

XF - XF 4.2 V8

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Engine revolution
- engine loading
- switch, brakes
- atmospheric pressure
- Passenger compartment temperature
- intake air mass
- Control unit power supply
- Lights switch 2
- valve, exhausted gases recirculation
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)

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- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

• **Identification**

• **Clear errors**

• **Functional tests**

- Static test
- ESP test

• **Adjustments / settings**

- Adaptation, steering wheel angle sensor

• **Special functions**

- Bleed

• **Error memory**

<p>Anti-block system ESP 8.1</p>	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul>
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Driving speed adjustment lamp</li> <li>- Accelerator pedal position</li> <li>- Power supply</li> <li>- control unit temperature</li> <li>- Indicators switch, position "to the left"</li> <li>- Indicators switch, position "to the right"</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Kilometer reading</li> <li>- Brakes linings wearing</li> <li>- Number of actual errors</li> <li>- External temperature display</li> </ul>

Instrument cluster  
Instrument cluster 4.0

- Generator lamp
- Seat belt control light
- ABS control light
- ASR/ESP control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Oxygen sensor bank 2, sensor 1)</li> <li>- Air pressure sensor</li> <li>- Oxygen sensor voltage (bank 2-sensor 2)</li> <li>- Oxygen sensor heater (bank 2, sensor 1)</li> <li>- Kilometer reading</li> <li>- Fuel fill level signal</li> <li>- Clutch pedal switch</li> <li>- intake manifold pressure sensor</li> <li>- Charging-air pressure sensor</li> <li>- Engine speed set value in idle running</li> <li>- Lambda target value</li> <li>- Cruise control, control light</li> <li>- External air temperature</li> <li>- Accelerator pedal, position D</li> <li>- Accelerator pedal, position E</li> <li>- Engine management system error lights</li> <li>- Lambda actual value (Bank 1)</li> <li>- Lambda actual value (Bank 2)</li> <li>- harmful for catalytic converter lack of combustion cylinder 1</li> <li>- harmful for catalytic converter lack of combustion cylinder 2</li> <li>- harmful for catalytic converter lack of combustion</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- harmful for catalytic converter lack of combustion cylinder 3
- Cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running

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- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rare right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Front left seat cushion airbag
  - Front right seat cushion airbag
  - Passenger side, front belt sensor fault status



- Passenger side, airbag switch fault status
- Passenger seat position sensor

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch
  - Fog light switch
  - Transmission oil temperature warning lamp
  - Rear fog lights switch
  - Input signal/rear fog light
  - Operating time
  - Steering column status
  - Parking brake, warning light
  - Red indicator lamp
  - Windshield intermittent wipe switch
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Frost warning lamp
  - Light switch position
  - Driver side, front belt sensor fault status
  - Red transmission warning lamp
  - Vehicle speed display
  - Steering column horizontal position
  - Steering column vertical position
  - Control light airbag
  - Main beam input signal
  - Headlight level control, control lamp
  - Steering column longitudinal position sensor
  - Steering column height position sensor
  - Brake fluid level sensor signal
  - Tire pressure monitor indicator lamp

- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR** **XF - XFR 5.0**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Oxygen sensor bank 2, sensor 1)</li> <li>- Air pressure sensor</li> <li>- Oxygen sensor voltage (bank 2-sensor 2)</li> </ul> </li> </ul>
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Engine control  
PanPag 1.0

- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value

2009/02	508PS	5.0	471 - 551	<ul style="list-style-type: none"> <li>- Fuel pump monitoring</li> <li>- Temp. sensor downstream of charge air cooler: signal voltage</li> <li>- Switching valve, intake manifold, status</li> <li>- A/C pressure sensor high-pressure circuit</li> <li>- Motor relay signal</li> <li>- Time from engine OFF</li> <li>- Fuel shutoff</li> <li>- Charge air temperature sensor</li> <li>- Oxygen sensor voltage (bank 1-sensor 3)</li> <li>- Oxygen sensor voltage (bank 2, sensor 3)</li> <li>- Status High pressure pump</li> <li>- Intake air temperature 2</li> <li>- Coolant temperature 2</li> <li>- Secondary air pressure sensor voltage</li> <li>- Status Wake-Up Signal</li> <li>- Distance from clear of errors</li> <li>- Fuel high-pressure sensor voltage</li> <li>- Intake air, temperature 1</li> <li>- Time since engine running</li> <li>- Air suspension compressor</li> <li>- Cruise control/ACC, button Reset</li> <li>- Engine oil temperature sensor</li> <li>- Electronics box, fan</li> <li>- EVAP flushing valve</li> <li>- Starting relay feedback signal</li> <li>- VVT inlet valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 1</li> </ul>
Anti-block system ESP 8.1				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> </ul> </li> </ul>

Airbag  
Airbag AB 4.0

- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch
  - Fog light switch
  - Transmission oil temperature warning lamp
  - Rear fog lights switch
  - Input signal/rear fog light
  - Operating time
  - Steering column status
  - Parking brake, warning light
  - Red indicator lamp

- Windshield intermittent wiper switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

JAGUAR

XF - XF 5.0 V8

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor

2009/02 -	508PN	5.0	385	<ul style="list-style-type: none"> <li>- A/C compressor status</li> <li>- Interior temperature</li> <li>- Air mass meter 1: Air mass</li> <li>- Air mass meter 2: Air mass</li> <li>- A/C compressor torque request</li> <li>- CAT temperature (B1,S2)</li> <li>- CAT temperature (B1,S1)</li> <li>- Secondary air pressure sensor</li> <li>- Boost pressure sensor signal voltage</li> <li>- Coolant temperature sensor 1</li> <li>- Coolant temperature sensor 2</li> <li>- Number of faults after system test</li> <li>- VVT inlet valve actual timing, bank 1</li> <li>- Catalytic converter temperature (bank 2, sensor 1)</li> <li>- Catalytic converter temperature (bank 2, sensor 2)</li> <li>- Control unit temperature sensor voltage</li> <li>- Rail temperature</li> <li>- Rail temperature sensor voltage</li> <li>- Exhaust gas recirculation set value</li> <li>- Fuel pump monitoring</li> <li>- Temp. sensor downstream of charge air cooler: signal voltage</li> <li>- Switching valve, intake manifold, status</li> <li>- A/C pressure sensor high-pressure circuit</li> <li>- Motor relay signal</li> <li>- Time from engine OFF</li> <li>- Fuel shutoff</li> <li>- Charge air temperature sensor</li> <li>- Oxygen sensor voltage (bank 1-sensor 3)</li> <li>- Oxygen sensor voltage (bank 2, sensor 3)</li> <li>- Status High pressure pump</li> <li>- Intake air temperature 2</li> <li>- Coolant temperature 2</li> <li>- Secondary air pressure sensor voltage</li> <li>- Status Wake-Up Signal</li> <li>- Distance from clear of errors</li> <li>- Fuel high-pressure sensor voltage</li> <li>- Intake air, temperature 1</li> <li>- Time since engine running</li> <li>- Air suspension compressor</li> <li>- Cruise control/ACC, button Reset</li> <li>- Engine oil temperature sensor</li> <li>- Electronics box, fan</li> <li>- EVAP flushing valve</li> <li>- Starting relay feedback signal</li> <li>- VVT inlet valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 1</li> </ul>	
	Anti-block system ESP 8.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>			
		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>			



Airbag  
Airbag AB 4.0

- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Front left seat cushion airbag
  - Front right seat cushion airbag
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1

Instrument cluster  
Instrument cluster 4.0

- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR** **XF - XF 3.0 D V6**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Engine oil, service life, reset</li> <li>- Diesel particle filter adjustment</li> <li>- Reset EKP adaptation values</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Number of faults, emission warning lamp status</li> <li>- Intake charge-air temperature</li> <li>- Fuel temperature</li> <li>- Coolant temperature</li> </ul> </li> </ul>
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Engine control  
Diesel EDC 17CP11

- Battery voltage
- Engine revolution
- Lights switch 1
- Lights switch 2
- atmospheric pressure
- Sensor pressure, fuel rail
- engine oil temperature
- Rail pressure, nominal
- Turbo pressure, actual value
- Intake air temperature
- Adjust. pressure valve, pulse-duty factor
- Fuel pressure regulation valve, pulse-duty factor
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Fuel quantity metering device pulse-duty factor
- Fuel pressure sensor
- Fuel fill level signal
- Engine oil sensor: Oil level
- intake manifold pressure sensor
- Engine control unit power supply
- Switch Parking / Neutral
- Oxygen sensor calculated voltage
- Status: oil level
- Calculated intake-manifold pressure
- Cooling agent temperature motor
- Oil pressure signal lamp
- Throttle valve- Nominal/Actual value comparison
- Signal to immobilizer
- Immobilizer response
- Throttle valve position
- Voltage fuel temperature
- intake manifold pressure
- Distance with activated MIL
- Oxygen sensor voltage sensor (bank 1-sensor 1)
- Warm start cycles since fault erased
- Distance from clear of errors
- Ambient temperature
- Distance since last oil change
- Days after last oil change
- Oxygen sensor bank 1, sensor 1)
- Intake air temperature voltage
- Starter enable
- Load, calculated value
- Kickdown signal
- Radiator fan request
- Air mass meter A
- Air mass meter B
- Exhaust gas temperature (bank 1, sensor 1)
- Exhaust gas temperature (bank 1, sensor 2)
- Exhaust gas temperature (bank 1, sensor 3)
- Exhaust gas temperature (bank 2, sensor 1)
- Exhaust gas temperature (bank 2, sensor 2)
- Charge Air Cooler Temperature
- EGR A Error status
- EGR B Error status
- Maximum vehicle speed
- Electric fuel pump request
- No. of successful regen. operations
- Oil quality (last entry)
- Miles until next service
- Diesel particulate filter charge
- Charging-air pressure sensor voltage
- Glow control light
- Vehicle speed signal
- Monitoring
- AGR cooling reversing valve
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Glow plug, PWM signal
- Fuel metering unit duty cycle
- Starter actuation status
- Transponder ID identified
- Air mass meter 1: Air mass

				<ul style="list-style-type: none"> <li>- Engine mounting 1</li> <li>- Throttle valve position: Position control deviation</li> <li>- Accelerator pedal position sensor 1/2 difference</li> <li>- Engine running time since MIL (Malfunction Indicator Lamp)</li> <li>- Boost pressure display maximum value</li> <li>- Number of faults after system test</li> <li>- Accelerator position sensor circuit D</li> <li>- Accelerator position sensor circuit E</li> <li>- High pressure turbocharger flap actuation</li> <li>- Fuel system monitoring since DTC clearing</li> <li>- Charging-air pressure controller</li> <li>- AGR-Magnetic valve position sensor 1</li> <li>- EGR solenoid valve position sensor 2</li> <li>- Exh. gas temperat. sensor (bank 1, sensor 1)</li> <li>- Exh. gas temperat. sensor (bank 2, sensor 1)</li> <li>- Exh. gas temperat. sensor (bank 1, sensor 2)</li> <li>- Exh. gas temperat. sensor (bank 2, sensor 2)</li> <li>- Key combination Radiator fan</li> <li>- Exhaust gas back pressure</li> <li>- Water in fuel</li> <li>- Ambient air temperature, signal</li> <li>- Voltage exhaust gas difference pressure</li> <li>- Turbocharger duty cycle</li> <li>- Fuel suction control valve, control current</li> <li>- Turbo charger bypass valve</li> <li>- Unsuccessful regenerations</li> <li>- Exhaust gas temperature sensor 3 voltage</li> <li>- Immobilizer synchronization</li> <li>- Partial regeneration operations count</li> <li>- Limp-home regeneration operations count</li> <li>- Electronics box, fan</li> <li>- EGR positioner 1</li> <li>- EGR positioner 2</li> <li>- Number of regeneration requests</li> <li>- Calculated diesel particle quantity in engine oil</li> <li>- Engine run time</li> </ul>
2009/03	AJV6D	3.0	241	<p>Anti-block system ESP 8.1</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> </ul> </li> </ul>

Airbag  
Airbag AB 4.0

- Rear right door status
- Switch for passenger-side airbag
- Right curtain/side airbag
- Left curtain/side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch

Instrument cluster  
Instrument cluster 4.0

- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR** **XF - XF 3.0 D V6S**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Engine oil, service life, reset</li> <li>- Diesel particle filter adjustment</li> <li>- Reset EKP adaptation values</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Number of faults, emission warning lamp status</li> <li>- Intake charge-air temperature</li> <li>- Fuel temperature</li> <li>- Coolant temperature</li> <li>- Battery voltage</li> <li>- Engine revolution</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- atmospheric pressure</li> <li>- Sensor pressure, fuel rail</li> <li>- engine oil temperature</li> <li>- Rail pressure, nominal</li> <li>- Turbo pressure, actual value</li> <li>- Intake air temperature</li> <li>- Adjust. pressure valve, pulse-duty factor</li> </ul> </li> </ul>
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Engine control  
Diesel EDC 17CP11

- Fuel pressure regulation valve, pulse-duty factor
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Fuel quantity metering device pulse-duty factor
- Fuel pressure sensor
- Fuel fill level signal
- Engine oil sensor: Oil level
- intake manifold pressure sensor
- Engine control unit power supply
- Switch Parking / Neutral
- Oxygen sensor calculated voltage
- Status: oil level
- Calculated intake-manifold pressure
- Cooling agent temperature motor
- Oil pressure signal lamp
- Throttle valve- Nominal/Actual value comparison
- Signal to immobilizer
- Immobilizer response
- Throttle valve position
- Voltage fuel temperature
- intake manifold pressure
- Distance with activated MIL
- Oxygen sensor voltage sensor (bank 1-sensor 1)
- Warm start cycles since fault erased
- Distance from clear of errors
- Ambient temperature
- Distance since last oil change
- Days after last oil change
- Oxygen sensor bank 1, sensor 1)
- Intake air temperature voltage
- Starter enable
- Load, calculated value
- Kickdown signal
- Radiator fan request
- Air mass meter A
- Air mass meter B
- Exhaust gas temperature (bank 1, sensor 1)
- Exhaust gas temperature (bank 1, sensor 2)
- Exhaust gas temperature (bank 1, sensor 3)
- Exhaust gas temperature (bank 2, sensor 1)
- Exhaust gas temperature (bank 2, sensor 2)
- Charge Air Cooler Temperature
- EGR A Error status
- EGR B Error status
- Maximum vehicle speed
- Electric fuel pump request
- No. of successful regen. operations
- Oil quality (last entry)
- Miles until next service
- Diesel particulate filter charge
- Charging-air pressure sensor voltage
- Glow control light
- Vehicle speed signal
- Monitoring
- AGR cooling reversing valve
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Glow plug, PWM signal
- Fuel metering unit duty cycle
- Starter actuation status
- Transponder ID identified
- Air mass meter 1: Air mass
- Engine mounting 1
- Throttle valve position: Position control deviation
- Accelerator pedal position sensor 1/2 difference
- Engine running time since MIL (Malfunction Indicator Lamp)
- Boost pressure display maximum value
- Number of faults after system test
- Accelerator position sensor circuit D
- Accelerator position sensor circuit E
- High pressure turbocharger flap actuation
- Fuel system monitoring since DTC clearing

2009/03 -	AJV6D	3.0	275		<ul style="list-style-type: none"> <li>- Charging-air pressure controller</li> <li>- AGR-Magnetic valve position sensor 1</li> <li>- EGR solenoid valve position sensor 2</li> <li>- Exh. gas temperat. sensor (bank 1, sensor 1)</li> <li>- Exh. gas temperat. sensor (bank 2, sensor 1)</li> <li>- Exh. gas temperat. sensor (bank 1, sensor 2)</li> <li>- Exh. gas temperat. sensor (bank 2, sensor 2)</li> <li>- Key combination Radiator fan</li> <li>- Exhaust gas back pressure</li> <li>- Water in fuel</li> <li>- Ambient air temperature, signal</li> <li>- Voltage exhaust gas difference pressure</li> <li>- Turbocharger duty cycle</li> <li>- Fuel suction control valve, control current</li> <li>- Turbo charger bypass valve</li> <li>- Unsuccessful regenerations</li> <li>- Exhaust gas temperature sensor 3 voltage</li> <li>- Immobilizer synchronization</li> <li>- Partial regeneration operations count</li> <li>- Limp-home regeneration operations count</li> <li>- Electronics box, fan</li> <li>- EGR positioner 1</li> <li>- EGR positioner 2</li> <li>- Number of regeneration requests</li> <li>- Calculated diesel particle quantity in engine oil</li> <li>- Engine run time</li> </ul>
				Anti-block system ESP 8.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> </ul> </li> </ul>



- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch
  - Fog light switch
  - Transmission oil temperature warning lamp
  - Rear fog lights switch
  - Input signal/rear fog light
  - Operating time
  - Steering column status
  - Parking brake, warning light
  - Red indicator lamp
  - Windshield intermittent wipe switch
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front

- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR** **XF - XF 3.0 D**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Engine oil, service life, reset</li> <li>- Diesel particle filter adjustment</li> <li>- Reset EKP adaptation values</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Number of faults, emission warning lamp status</li> <li>- Intake charge-air temperature</li> <li>- Fuel temperature</li> <li>- Coolant temperature</li> <li>- Battery voltage</li> <li>- Engine revolution</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- atmospheric pressure</li> <li>- Sensor pressure, fuel rail</li> <li>- engine oil temperature</li> <li>- Rail pressure, nominal</li> <li>- Turbo pressure, actual value</li> <li>- Intake air temperature</li> <li>- Adjust. pressure valve, pulse-duty factor</li> <li>- Fuel pressure regulation valve, pulse-duty factor</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Fuel quantity metering device pulse-duty factor</li> <li>- Fuel pressure sensor</li> <li>- Fuel fill level signal</li> <li>- Engine oil sensor: Oil level</li> <li>- intake manifold pressure sensor</li> <li>- Engine control unit power supply</li> <li>- Switch Parking / Neutral</li> <li>- Oxygen sensor calculated voltage</li> </ul> </li> </ul>
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Engine control  
Diesel EDC 17CP11

- Status: oil level
- Calculated intake-manifold pressure
- Cooling agent temperature motor
- Oil pressure signal lamp
- Throttle valve- Nominal/Actual value comparison
- Signal to immobilizer
- Immobilizer response
- Throttle valve position
- Voltage fuel temperature
- intake manifold pressure
- Distance with activated MIL
- Oxygen sensor voltage sensor (bank 1-sensor 1)
- Warm start cycles since fault erased
- Distance from clear of errors
- Ambient temperature
- Distance since last oil change
- Days after last oil change
- Oxygen sensor bank 1, sensor 1)
- Intake air temperature voltage
- Starter enable
- Load, calculated value
- Kickdown signal
- Radiator fan request
- Air mass meter A
- Air mass meter B
- Exhaust gas temperature (bank 1, sensor 1)
- Exhaust gas temperature (bank 1, sensor 2)
- Exhaust gas temperature (bank 1, sensor 3)
- Exhaust gas temperature (bank 2, sensor 1)
- Exhaust gas temperature (bank 2, sensor 2)
- Charge Air Cooler Temperature
- EGR A Error status
- EGR B Error status
- Maximum vehicle speed
- Electric fuel pump request
- No. of successful regen. operations
- Oil quality (last entry)
- Miles until next service
- Diesel particulate filter charge
- Charging-air pressure sensor voltage
- Glow control light
- Vehicle speed signal
- Monitoring
- AGR cooling reversing valve
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Glow plug, PWM signal
- Fuel metering unit duty cycle
- Starter actuation status
- Transponder ID identified
- Air mass meter 1: Air mass
- Engine mounting 1
- Throttle valve position: Position control deviation
- Accelerator pedal position sensor 1/2 difference
- Engine running time since MIL (Malfunction Indicator Lamp)
- Boost pressure display maximum value
- Number of faults after system test
- Accelerator position sensor circuit D
- Accelerator position sensor circuit E
- High pressure turbocharger flap actuation
- Fuel system monitoring since DTC clearing
- Charging-air pressure controller
- AGR-Magnetic valve position sensor 1
- EGR solenoid valve position sensor 2
- Exh. gas temperat. sensor (bank 1, sensor 1)
- Exh. gas temperat. sensor (bank 2, sensor 1)
- Exh. gas temperat. sensor (bank 1, sensor 2)
- Exh. gas temperat. sensor (bank 2, sensor 2)
- Key combination Radiator fan
- Exhaust gas back pressure
- Water in fuel
- Ambient air temperature, signal

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Anti-block system  
ESP 8.1

- Voltage exhaust gas difference pressure
- Turbocharger duty cycle
- Fuel suction control valve, control current
- Turbo charger bypass valve
- Unsuccessful regenerations
- Exhaust gas temperature sensor 3 voltage
- Immobilizer synchronization
- Partial regeneration operations count
- Limp-home regeneration operations count
- Electronics box, fan
- EGR positioner 1
- EGR positioner 2
- Number of regeneration requests
- Calculated diesel particle quantity in engine oil
- Engine run time

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rare right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status

- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch
  - Fog light switch
  - Transmission oil temperature warning lamp
  - Rear fog lights switch
  - Input signal/rear fog light
  - Operating time
  - Steering column status
  - Parking brake, warning light
  - Red indicator lamp
  - Windshield intermittent wipe switch
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Frost warning lamp
  - Light switch position
  - Driver side, front belt sensor fault status
  - Red transmission warning lamp
  - Vehicle speed display
  - Steering column horizontal position
  - Steering column vertical position
  - Control light airbag
  - Main beam input signal

- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR XF - XF 2.2 D**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Restoration of adaptation values of the exhaust gas recirculation</li> <li>- Reset Lambda sensor adaptation values</li> <li>- Engine oil, service life, reset</li> <li>- Reset EKP adaptation values</li> <li>- Reset turbocharger adaption values</li> <li>- Reset throttle valve adaptation values</li> <li>- Reset mileage with fuel water cont. lamp ON</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Intake charge-air temperature</li> <li>- Vehicle driving speed</li> <li>- Coolant temperature sensor voltage</li> <li>- Fuel temperature</li> <li>- Oxygen sensor</li> <li>- Engine revolution</li> <li>- oxygen sensor voltage</li> <li>- intake air mass</li> <li>- Inserted gear</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- atmospheric pressure</li> <li>- electric fuel pump</li> <li>- gear box control system</li> <li>- engine oil temperature</li> <li>- Engine suspension</li> <li>- Rail pressure, nominal</li> <li>- Turbo pressure, nominal value</li> <li>- Intake air temperature</li> <li>- Driver's door status</li> <li>- Fuel pressure regulation valve, pulse-duty factor</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Fuel quantity metering device pulse-duty factor</li> <li>- Engine oil sensor: Oil level</li> <li>- intake manifold pressure sensor</li> <li>- Switch Parking / Neutral</li> <li>- Status: oil level</li> <li>- Throttle valves servo motor control</li> <li>- Calculated intake-manifold pressure</li> <li>- Cooling agent temperature motor</li> </ul> </li> </ul>

Engine control  
Diesel EDC 17CP42

- Oil pressure signal lamp
- Oil pressure switch
- Throttle valve position
- Rail pressure (measured)
- Engine management system error lights
- intake manifold pressure
- Distance with activated MIL
- Warm start cycles since fault erased
- Distance from clear of errors
- Ambient temperature
- Distance since last oil change
- Intake air temperature voltage
- Starter enable
- Load, calculated value
- Kickdown signal
- Exhaust gas temperature (bank 1, sensor 1)
- Exhaust gas temperature (bank 1, sensor 2)
- Exhaust gas temperature (bank 1, sensor 3)
- Maximum vehicle speed
- Request for starter switch on
- No. of successful regen. operations
- Throttle valve specified position (bank 1)
- Throttle valve actual pos. (bank 1)
- Start/stop system status
- Driver's side seat belt
- Glow control light
- Status electronic fuel pump
- AGR cooling reversing valve
- Exhaust gas recirculation Position Target Value
- Distance since last regeneration
- Glow plug, PWM signal
- EGR cooler bypass valve status
- Time since engine start
- Start/stop function: Gear signal
- Boost pressure actuator specified value
- Soot mass, differential pressure
- Accelerator position sensor circuit D
- Accelerator position sensor circuit E
- Engine stop request by transmission
- Exhaust gas volume flow
- Charge air temperature sensor
- Charging-air pressure controller
- Particle filter differential pressure
- AGR-Magnetic valve position sensor 1
- Exh. gas temperat. sensor (bank 1, sensor 1)
- Exh. gas temperat. sensor (bank 1, sensor 2)
- Operation time since last oil change
- Voltage exhaust gas difference pressure
- Unsuccessful regenerations
- Partial regeneration operations count
- Limp-home regeneration operations count
- Start/stop counter
- EGR positioner 1
- Number of regeneration requests
- Start/stop system: Transponder release
- Start/stop system: System fault
- Stop inhibit: Exhaust condensation
- Stop inhibit: SCR temperature too high
- Stop inhibit: SCR temperature too low
- Stop inhibit: Engine temperature too low
- Stop inhibit: Engine temperature too high
- Stop inhibit: Interior temperature too low
- Stop inhibit: Interior temperature too high
- Stop inhibit: DPF regeneration active
- Stop inhibit: DPF regeneration necessary
- Stop inhibit: ATL temperature too high
- Stop inhibit: Engine speed too high
- Stop inhibit: Adaptation values not OK
- Stop inhibit: Rail pressure too high
- Stop inhibit: EVAP pressure too high
- Stop inhibit: Immobilizer conflict
- Stop inhibit: Ambient temperature too low
- Stop inhibit: Engine operation too short

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Anti-block system  
ESP 8.1

Airbag  
Airbag AB 4.0

- Stop inhibit: Logic conflict
- Stop inhibit: Diagnostic monitor conflict
- Stop inhibit: Starter logic conflict
- Stop inhibit: High interior air pressure
- Stop inhibit: Fuel system dry running
- Stop inhibit: Starter fault
- Start/stop system: A/C control unit engine start request
- Start/stop system: Brake system vacuum signal OK
- Start/stop system: OFF due to electrical system undervoltage
- SSS:Brake system vacuum engine start request not OK
- Start/stop system:Vehicle electr. system power supply status
- Start/stop system: Hood open signal
- Start/stop system: ESP control unit engine start request
- Start/stop system active
- Start/stop system: Secondary power supply status
- Start/stop system: Run-on
- Start/stop system: OFF by diagnosis monitor
- Start/stop system: Eco mode

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rare right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side



- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch
  - Fog light switch
  - Transmission oil temperature warning lamp
  - Rear fog lights switch
  - Input signal/rear fog light
  - Operating time
  - Steering column status
  - Parking brake, warning light
  - Red indicator lamp
  - Windshield intermittent wipe switch
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Frost warning lamp
  - Light switch position

- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR**

**XF - XF 2.7 D**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Diesel particle filter adjustment</li> <li>- High-pressure pump, initialization</li> <li>- Electr. fuel pump activation</li> <li>- Reset EKP adaptation values</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor pressure signal</li> <li>- Oil quality</li> <li>- Additional warming up</li> <li>- Intake charge-air temperature</li> <li>- Fuel pump relay</li> <li>- Fuel temperature</li> <li>- Coolant temperature</li> <li>- Battery voltage</li> <li>- Engine revolution</li> <li>- intake manifold pressure</li> <li>- Exhaust gas recirculation control</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- Clutch switch</li> <li>- atmospheric pressure</li> <li>- recommended idle revolutions</li> <li>- cruise control, signal adjustment</li> <li>- Nominal parameters throttle valve</li> <li>- engine oil temperature</li> <li>- warming up relay</li> <li>- Intake air temperature</li> <li>- Engine oil level</li> <li>- Control unit, Voltage sensor 1</li> <li>- Control unit, Voltage sensor 2</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- EGR valve set position</li> <li>- Driving speed control</li> <li>- intake manifold pressure sensor</li> <li>- Switch Parking / Neutral</li> </ul> </li> </ul>

Engine control  
Diesel CR/EDC SID 20x

- pedal position sensor 1
- pedal position sensor 2
- Fuel level in the tank
- Rail pressure (measured)
- Requested voltage Generator
- Charging-air pressure magnetic valve 1
- Charging-air pressure magnetic valve 2
- Load, calculated value
- Ambient temperature
- Driver's Demand Engine Torque
- Actual Engine Torque
- Fuel level signal 1
- Fuel level signal 2
- Air mass meter A
- Air mass meter B
- DPF temperature
- EGR Duty cycle/Position A, set value
- EGR Duty cycle/Position A, actual value
- EGR B Duty Cycle/Position, set value
- EGR B Duty Cycle/Position, actual value
- DPF Regeneration Type
- No. of successful regen. operations
- Mileage since last DPF regeneration
- Number of terminated DPF regenerations
- Intake manifold pressure difference
- Status Generator
- Ignition voltage supply
- Rail pressure control valve
- Battery management
- Boost pressure control status bank 1
- Boost pressure control status, bank 2
- Mileage since DPF cleaning
- Fuel metering valve
- Exhaust gas recirculation correction
- Injector 1 correction value
- Injector 2 correction value
- Injector 3 correction value
- Injector 4 correction value
- Injector 5 correction value
- Injector 6 correction value
- Actuation EGR valve
- Exhaust gas flap, actual value
- Swirl flap position
- Ignition/starter switch signal: Start
- Refueling volume
- Throttle valve position: Position control deviation
- Calculated engine torque
- DC/DC converter: Output voltage
- DPF stat.: Regeneration time counter
- Optimum distance between DPF regenerations
- No. of incomplete regenerations
- No. of slow regenerations Motorway
- No. of slow regenerations Urban traffic
- No. of fast regenerations Motorway
- No. of fast regenerations Urban traffic
- Slow regeneration Motorway
- Slow regeneration Motorway history
- Slow regeneration Urban traffic
- Slow regeneration Urban traffic history
- Fast regeneration Motorway
- Fast regeneration Motorway history
- Fast regeneration Urban traffic
- Fast regeneration Urban traffic history
- Control unit temperature
- Particle filter differential pressure
- Injection period post-injection
- Accelerator pedal angle
- Carbon black content Particle filter
- Time since engine running
- Particle/nitrog.ox. filter status
- Mileage since last regeneration attempt
- Cruise control voltage
- Limp-home regeneration operations count

2008/03 - 2009/02	AJD	2.7	207		<ul style="list-style-type: none"> <li>- Cooling fan operating status</li> <li>- Engine coolant temperature 1</li> </ul>
				<p>Anti-block system ESP 8.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>
				<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>				

Instrument cluster  
Instrument cluster 4.0

- Power supply
- Driving speed adjustment lamp
- Accelerator pedal position
- Power supply
- control unit temperature
- Indicators switch, position "to the left"
- Indicators switch, position "to the right"
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Kilometer reading
- Brakes linings wearing
- Number of actual errors
- External temperature display
- Generator lamp
- Seat belt control light
- ABS control light
- ASR/ESP control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red

- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR XF - XF 5.0 Supercharged**

Year	Engine	Liters	HP	System	Functions
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				Anti-block system ESP 8.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> </ul> </li> </ul>
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2009/02 - 2012/07	508PS	5.0	471	<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driving speed adjustment lamp</li> <li>- Accelerator pedal position</li> <li>- Power supply</li> <li>- control unit temperature</li> <li>- Indicators switch, position "to the left"</li> <li>- Indicators switch, position "to the right"</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Kilometer reading</li> <li>- Brakes linings wearing</li> <li>- Number of actual errors</li> <li>- External temperature display</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Alarm LED</li> <li>- Oil pressure control lamp</li> <li>- Windshield washing switch</li> <li>- Switch position for windscreen wiper</li> <li>- Fuel level signal 1</li> <li>- Fuel level signal 2</li> <li>- Multi-function display button</li> <li>- Liquid crystal display (LCD) brightness</li> <li>- Fog lamp input signal</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Distance warning display</li> <li>- Glow control light</li> <li>- Vehicle speed warning light</li> <li>- Ambient light sensor</li> <li>- Wiper switch</li> <li>- Fog light switch</li> <li>- Transmission oil temperature warning lamp</li> <li>- Rear fog lights switch</li> <li>- Input signal/rear fog light</li> <li>- Operating time</li> <li>- Steering column status</li> <li>- Parking brake, warning light</li> <li>- Red indicator lamp</li> <li>- Windshield intermittent wipe switch</li> <li>- Steering column adjustment, end position, Rear</li> <li>- Steering column adjustment, end position, Front</li> <li>- Steering column adjustment, end position, Bottom</li> <li>- Steering column adjustment, end position, Top</li> <li>- Frost warning lamp</li> <li>- Light switch position</li> <li>- Driver side, front belt sensor fault status</li> <li>- Red transmission warning lamp</li> <li>- Vehicle speed display</li> <li>- Steering column horizontal position</li> <li>- Steering column vertical position</li> <li>- Control light airbag</li> <li>- Main beam input signal</li> <li>- Headlight level control, control lamp</li> <li>- Steering column longitudinal position sensor</li> </ul> </li> </ul>
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- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR XF SPORTBRAKE - XF SPORTBRAKE 3.0 D V6**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Engine oil, service life, reset</li> <li>- Diesel particle filter adjustment</li> <li>- Reset EKP adaptation values</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Number of faults, emission warning lamp status</li> <li>- Intake charge-air temperature</li> <li>- Fuel temperature</li> <li>- Coolant temperature</li> <li>- Battery voltage</li> <li>- Engine revolution</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- atmospheric pressure</li> <li>- Sensor pressure, fuel rail</li> <li>- engine oil temperature</li> <li>- Rail pressure, nominal</li> <li>- Turbo pressure, actual value</li> <li>- Intake air temperature</li> <li>- Adjust. pressure valve, pulse-duty factor</li> <li>- Fuel pressure regulation valve, pulse-duty factor</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Fuel quantity metering device pulse-duty factor</li> <li>- Fuel pressure sensor</li> <li>- Fuel fill level signal</li> <li>- Engine oil sensor: Oil level</li> <li>- intake manifold pressure sensor</li> <li>- Engine control unit power supply</li> <li>- Switch Parking / Neutral</li> <li>- Oxygen sensor calculated voltage</li> <li>- Status: oil level</li> <li>- Calculated intake-manifold pressure</li> <li>- Cooling agent temperature motor</li> <li>- Oil pressure signal lamp</li> <li>- Throttle valve- Nominal/Actual value comparison</li> <li>- Signal to immobilizer</li> <li>- Immobilizer response</li> <li>- Throttle valve position</li> <li>- Voltage fuel temperature</li> <li>- intake manifold pressure</li> <li>- Distance with activated MIL</li> <li>- Oxygen sensor voltage sensor (bank 1-sensor 1)</li> </ul> </li> </ul>



Engine control  
Diesel EDC 17CP11

- Warm start cycles since fault erased
- Distance from clear of errors
- Ambient temperature
- Distance since last oil change
- Days after last oil change
- Oxygen sensor bank 1, sensor 1)
- Intake air temperature voltage
- Starter enable
- Load, calculated value
- Kickdown signal
- Radiator fan request
- Air mass meter A
- Air mass meter B
- Exhaust gas temperature (bank 1, sensor 1)
- Exhaust gas temperature (bank 1, sensor 2)
- Exhaust gas temperature (bank 1, sensor 3)
- Exhaust gas temperature (bank 2, sensor 1)
- Exhaust gas temperature (bank 2, sensor 2)
- Charge Air Cooler Temperature
- EGR A Error status
- EGR B Error status
- Maximum vehicle speed
- Electric fuel pump request
- No. of successful regen. operations
- Oil quality (last entry)
- Miles until next service
- Diesel particulate filter charge
- Charging-air pressure sensor voltage
- Glow control light
- Vehicle speed signal
- Monitoring
- AGR cooling reversing valve
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Glow plug, PWM signal
- Fuel metering unit duty cycle
- Starter actuation status
- Transponder ID identified
- Air mass meter 1: Air mass
- Engine mounting 1
- Throttle valve position: Position control deviation
- Accelerator pedal position sensor 1/2 difference
- Engine running time since MIL (Malfunction Indicator Lamp)
- Boost pressure display maximum value
- Number of faults after system test
- Accelerator position sensor circuit D
- Accelerator position sensor circuit E
- High pressure turbocharger flap actuation
- Fuel system monitoring since DTC clearing
- Charging-air pressure controller
- AGR-Magnetic valve position sensor 1
- EGR solenoid valve position sensor 2
- Exh. gas temperat. sensor (bank 1, sensor 1)
- Exh. gas temperat. sensor (bank 2, sensor 1)
- Exh. gas temperat. sensor (bank 1, sensor 2)
- Exh. gas temperat. sensor (bank 2, sensor 2)
- Key combination Radiator fan
- Exhaust gas back pressure
- Water in fuel
- Ambient air temperature, signal
- Voltage exhaust gas difference pressure
- Turbocharger duty cycle
- Fuel suction control valve, control current
- Turbo charger bypass valve
- Unsuccessful regenerations
- Exhaust gas temperature sensor 3 voltage
- Immobilizer synchronization
- Partial regeneration operations count
- Limp-home regeneration operations count
- Electronics box, fan
- EGR positioner 1
- EGR positioner 2

2012/09	AJV6D	3.0	241	<p>- Number of regeneration requests</p> <p>- Calculated diesel particle quantity in engine oil</p> <p>- Engine run time</p>	
				<p>Anti-block system ESP 8.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>
				<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>

Instrument cluster  
Instrument cluster 4.0

- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch
  - Fog light switch
  - Transmission oil temperature warning lamp
  - Rear fog lights switch
  - Input signal/rear fog light
  - Operating time
  - Steering column status
  - Parking brake, warning light
  - Red indicator lamp
  - Windshield intermittent wipe switch
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Frost warning lamp
  - Light switch position
  - Driver side, front belt sensor fault status
  - Red transmission warning lamp
  - Vehicle speed display
  - Steering column horizontal position
  - Steering column vertical position
  - Control light airbag
  - Main beam input signal
  - Headlight level control, control lamp
  - Steering column longitudinal position sensor
  - Steering column height position sensor
  - Brake fluid level sensor signal
  - Tire pressure monitor indicator lamp
  - Active suspension, control light
  - Engine oil pressure status
  - Current coolant level
  - Volume control knob
  - Tachometer display value
  - Exterior lighting run-on switch position
  - Brake pad wear indicator Orange

- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR** **XF SPORTBRAKE - XF SPORTBRAKE 3.0 D V6S**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Engine oil, service life, reset</li> <li>- Diesel particle filter adjustment</li> <li>- Reset EKP adaptation values</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Number of faults, emission warning lamp status</li> <li>- Intake charge-air temperature</li> <li>- Fuel temperature</li> <li>- Coolant temperature</li> <li>- Battery voltage</li> <li>- Engine revolution</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- atmospheric pressure</li> <li>- Sensor pressure, fuel rail</li> <li>- engine oil temperature</li> <li>- Rail pressure, nominal</li> <li>- Turbo pressure, actual value</li> <li>- Intake air temperature</li> <li>- Adjust. pressure valve, pulse-duty factor</li> <li>- Fuel pressure regulation valve, pulse-duty factor</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Fuel quantity metering device pulse-duty factor</li> <li>- Fuel pressure sensor</li> <li>- Fuel fill level signal</li> <li>- Engine oil sensor: Oil level</li> <li>- intake manifold pressure sensor</li> <li>- Engine control unit power supply</li> <li>- Switch Parking / Neutral</li> <li>- Oxygen sensor calculated voltage</li> <li>- Status: oil level</li> <li>- Calculated intake-manifold pressure</li> <li>- Cooling agent temperature motor</li> <li>- Oil pressure signal lamp</li> <li>- Throttle valve- Nominal/Actual value comparison</li> <li>- Signal to immobilizer</li> <li>- Immobilizer response</li> <li>- Throttle valve position</li> <li>- Voltage fuel temperature</li> <li>- intake manifold pressure</li> <li>- Distance with activated MIL</li> <li>- Oxygen sensor voltage sensor (bank 1-sensor 1)</li> <li>- Warm start cycles since fault erased</li> <li>- Distance from clear of errors</li> <li>- Ambient temperature</li> <li>- Distance since last oil change</li> <li>- Days after last oil change</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Intake air temperature voltage</li> <li>- Starter enable</li> <li>- Load, calculated value</li> <li>- Kickdown signal</li> <li>- Radiator fan request</li> </ul> </li> </ul>
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Engine control  
Diesel EDC 17CP11

- Air mass meter A
- Air mass meter B
- Exhaust gas temperature (bank 1, sensor 1)
- Exhaust gas temperature (bank 1, sensor 2)
- Exhaust gas temperature (bank 1, sensor 3)
- Exhaust gas temperature (bank 2, sensor 1)
- Exhaust gas temperature (bank 2, sensor 2)
- Charge Air Cooler Temperature
- EGR A Error status
- EGR B Error status
- Maximum vehicle speed
- Electric fuel pump request
- No. of successful regen. operations
- Oil quality (last entry)
- Miles until next service
- Diesel particulate filter charge
- Charging-air pressure sensor voltage
- Glow control light
- Vehicle speed signal
- Monitoring
- AGR cooling reversing valve
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Glow plug, PWM signal
- Fuel metering unit duty cycle
- Starter actuation status
- Transponder ID identified
- Air mass meter 1: Air mass
- Engine mounting 1
- Throttle valve position: Position control deviation
- Accelerator pedal position sensor 1/2 difference
- Engine running time since MIL (Malfunction Indicator Lamp)
- Boost pressure display maximum value
- Number of faults after system test
- Accelerator position sensor circuit D
- Accelerator position sensor circuit E
- High pressure turbocharger flap actuation
- Fuel system monitoring since DTC clearing
- Charging-air pressure controller
- AGR-Magnetic valve position sensor 1
- EGR solenoid valve position sensor 2
- Exh. gas temperat. sensor (bank 1, sensor 1)
- Exh. gas temperat. sensor (bank 2, sensor 1)
- Exh. gas temperat. sensor (bank 1, sensor 2)
- Exh. gas temperat. sensor (bank 2, sensor 2)
- Key combination Radiator fan
- Exhaust gas back pressure
- Water in fuel
- Ambient air temperature, signal
- Voltage exhaust gas difference pressure
- Turbocharger duty cycle
- Fuel suction control valve, control current
- Turbo charger bypass valve
- Unsuccessful regenerations
- Exhaust gas temperature sensor 3 voltage
- Immobilizer synchronization
- Partial regeneration operations count
- Limp-home regeneration operations count
- Electronics box, fan
- EGR positioner 1
- EGR positioner 2
- Number of regeneration requests
- Calculated diesel particle quantity in engine oil
- Engine run time

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor

2012/09	AJV6D	3.0	275	Anti-block system ESP 8.1	<ul style="list-style-type: none"> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driving speed adjustment lamp</li> <li>- Accelerator pedal position</li> <li>- Power supply</li> <li>- control unit temperature</li> <li>- Indicators switch, position "to the left"</li> <li>- Indicators switch, position "to the right"</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Kilometer reading</li> </ul> </li> </ul>

Instrument cluster  
Instrument cluster 4.0

- Brakes linings wearing
- Number of actual errors
- External temperature display
- Generator lamp
- Seat belt control light
- ABS control light
- ASR/ESP control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Restoration of adaptation values of the exhaust gas recirculation</li> <li>- Reset Lambda sensor adaptation values</li> <li>- Engine oil, service life, reset</li> <li>- Reset EKP adaptation values</li> <li>- Reset turbocharger adaption values</li> <li>- Reset throttle valve adaptation values</li> <li>- Reset mileage with fuel water cont. lamp ON</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Intake charge-air temperature</li> <li>- Vehicle driving speed</li> <li>- Coolant temperature sensor voltage</li> <li>- Fuel temperature</li> <li>- Oxygen sensor</li> <li>- Engine revolution</li> <li>- oxygen sensor voltage</li> <li>- intake air mass</li> <li>- Inserted gear</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- atmospheric pressure</li> <li>- electric fuel pump</li> <li>- gear box control system</li> <li>- engine oil temperature</li> <li>- Engine suspension</li> <li>- Rail pressure, nominal</li> <li>- Turbo pressure, nominal value</li> <li>- Intake air temperature</li> <li>- Driver's door status</li> <li>- Fuel pressure regulation valve, pulse-duty factor</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Fuel quantity metering device pulse-duty factor</li> <li>- Engine oil sensor: Oil level</li> <li>- intake manifold pressure sensor</li> <li>- Switch Parking / Neutral</li> <li>- Status: oil level</li> <li>- Throttle valves servo motor control</li> <li>- Calculated intake-manifold pressure</li> <li>- Cooling agent temperature motor</li> <li>- Oil pressure signal lamp</li> <li>- Oil pressure switch</li> <li>- Throttle valve position</li> <li>- Rail pressure (measured)</li> <li>- Engine management system error lights</li> <li>- intake manifold pressure</li> <li>- Distance with activated MIL</li> <li>- Warm start cycles since fault erased</li> <li>- Distance from clear of errors</li> <li>- Ambient temperature</li> <li>- Distance since last oil change</li> <li>- Intake air temperature voltage</li> <li>- Starter enable</li> <li>- Load, calculated value</li> <li>- Kickdown signal</li> <li>- Exhaust gas temperature (bank 1, sensor 1)</li> <li>- Exhaust gas temperature (bank 1, sensor 2)</li> <li>- Exhaust gas temperature (bank 1, sensor 3)</li> <li>- Maximum vehicle speed</li> <li>- Request for starter switch on</li> <li>- No. of successful regen. operations</li> <li>- Throttle valve specified position (bank 1)</li> <li>- Throttle valve actual pos. (bank 1)</li> </ul> </li> </ul>



Engine control  
Diesel EDC 17CP42

- Start/stop system status
- Driver's side seat belt
- Glow control light
- Status electronic fuel pump
- AGR cooling reversing valve
- Exhaust gas recirculation Position Target Value
- Distance since last regeneration
- Glow plug, PWM signal
- EGR cooler bypass valve status
- Time since engine start
- Start/stop function: Gear signal
- Boost pressure actuator specified value
- Soot mass, differential pressure
- Accelerator position sensor circuit D
- Accelerator position sensor circuit E
- Engine stop request by transmission
- Exhaust gas volume flow
- Charge air temperature sensor
- Charging-air pressure controller
- Particle filter differential pressure
- AGR-Magnetic valve position sensor 1
- Exh. gas temperat. sensor (bank 1, sensor 1)
- Exh. gas temperat. sensor (bank 1, sensor 2)
- Operation time since last oil change
- Voltage exhaust gas difference pressure
- Unsuccessful regenerations
- Partial regeneration operations count
- Limp-home regeneration operations count
- Start/stop counter
- EGR positioner 1
- Number of regeneration requests
- Start/stop system: Transponder release
- Start/stop system: System fault
- Stop inhibit: Exhaust condensation
- Stop inhibit: SCR temperature too high
- Stop inhibit: SCR temperature too low
- Stop inhibit: Engine temperature too low
- Stop inhibit: Engine temperature too high
- Stop inhibit: Interior temperature too low
- Stop inhibit: Interior temperature too high
- Stop inhibit: DPF regeneration active
- Stop inhibit: DPF regeneration necessary
- Stop inhibit: ATL temperature too high
- Stop inhibit: Engine speed too high
- Stop inhibit: Adaptation values not OK
- Stop inhibit: Rail pressure too high
- Stop inhibit: EVAP pressure too high
- Stop inhibit: Immobilizer conflict
- Stop inhibit: Ambient temperature too low
- Stop inhibit: Engine operation too short
- Stop inhibit: Logic conflict
- Stop inhibit: Diagnostic monitor conflict
- Stop inhibit: Starter logic conflict
- Stop inhibit: High interior air pressure
- Stop inhibit: Fuel system dry running
- Stop inhibit: Starter fault
- Start/stop system: A/C control unit engine start request
- Start/stop system: Brake system vacuum signal OK
- Start/stop system: OFF due to electrical system undervoltage
- SSS:Brake system vacuum engine start request not OK
- Start/stop system:Vehicle electr. system power supply status
- Start/stop system: Hood open signal
- Start/stop system: ESP control unit engine start request
- Start/stop system active
- Start/stop system: Secondary power supply status
- Start/stop system: Run-on
- Start/stop system: OFF by diagnosis monitor
- Start/stop system: Eco mode

2012/09 -	224DT	2.2	163 - 200	<p>Anti-block system ESP 8.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>
				<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driving speed adjustment lamp</li> <li>- Accelerator pedal position</li> </ul> </li> </ul>

Instrument cluster  
Instrument cluster 4.0

- Power supply
- control unit temperature
- Indicators switch, position "to the left"
- Indicators switch, position "to the right"
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Kilometer reading
- Brakes linings wearing
- Number of actual errors
- External temperature display
- Generator lamp
- Seat belt control light
- ABS control light
- ASR/ESP control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp

- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR XJ - XJ 5.0 V8**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Oxygen sensor bank 2, sensor 1)</li> <li>- Air pressure sensor</li> <li>- Oxygen sensor voltage (bank 2-sensor 2)</li> <li>- Oxygen sensor heater (bank 2, sensor 1)</li> <li>- Kilometer reading</li> <li>- Fuel fill level signal</li> <li>- Clutch pedal switch</li> <li>- intake manifold pressure sensor</li> <li>- Charging-air pressure sensor</li> <li>- Engine speed set value in idle running</li> <li>- Lambda target value</li> <li>- Cruise control, control light</li> <li>- External air temperature</li> <li>- Accelerator pedal, position D</li> </ul> </li> </ul>
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Engine control  
PanPag 1.0

- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)

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- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rear right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time

- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch
  - Fog light switch
  - Transmission oil temperature warning lamp
  - Rear fog lights switch
  - Input signal/rear fog light
  - Operating time
  - Steering column status
  - Parking brake, warning light
  - Red indicator lamp
  - Windshield intermittent wipe switch
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Frost warning lamp
  - Light switch position
  - Driver side, front belt sensor fault status
  - Red transmission warning lamp
  - Vehicle speed display
  - Steering column horizontal position

- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR XJ - XJ 5.0 V8 Supercharged**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> </ul> </li> </ul>
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Engine control  
PanPag 1.0

- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2

2010/08	508PS	5.0	510	<ul style="list-style-type: none"> <li>- Number of faults after system test</li> <li>- VVT inlet valve actual timing, bank 1</li> <li>- Catalytic converter temperature (bank 2, sensor 1)</li> <li>- Catalytic converter temperature (bank 2, sensor 2)</li> <li>- Control unit temperature sensor voltage</li> <li>- Rail temperature</li> <li>- Rail temperature sensor voltage</li> <li>- Exhaust gas recirculation set value</li> <li>- Fuel pump monitoring</li> <li>- Temp. sensor downstream of charge air cooler: signal voltage</li> <li>- Switching valve, intake manifold, status</li> <li>- A/C pressure sensor high-pressure circuit</li> <li>- Motor relay signal</li> <li>- Time from engine OFF</li> <li>- Fuel shutoff</li> <li>- Charge air temperature sensor</li> <li>- Oxygen sensor voltage (bank 1-sensor 3)</li> <li>- Oxygen sensor voltage (bank 2, sensor 3)</li> <li>- Status High pressure pump</li> <li>- Intake air temperature 2</li> <li>- Coolant temperature 2</li> <li>- Secondary air pressure sensor voltage</li> <li>- Status Wake-Up Signal</li> <li>- Distance from clear of errors</li> <li>- Fuel high-pressure sensor voltage</li> <li>- Intake air, temperature 1</li> <li>- Time since engine running</li> <li>- Air suspension compressor</li> <li>- Cruise control/ACC, button Reset</li> <li>- Engine oil temperature sensor</li> <li>- Electronics box, fan</li> <li>- EVAP flushing valve</li> <li>- Starting relay feedback signal</li> <li>- VVT inlet valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 1</li> </ul>
			Anti-block system ESP 8.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> </ul> </li> </ul>

Airbag  
Airbag AB 4.0

- Rear right door status
- Switch for passenger-side airbag
- Right curtain/side airbag
- Left curtain/side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch

Instrument cluster  
Instrument cluster 4.0

- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR XJ - XJ 3.0 V6**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- intake air mass
- Control unit power supply
- Lights switch 2
- valve, exhausted gases recirculation
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump

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- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed

					<ul style="list-style-type: none"> <li>- rare right tire speed</li> <li>- rear left tire speed</li> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul>
			Airbag Airbag AB 4.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> </li> </ul>

**JAGUAR XJ - XJ 3.0D V6**

Year	Engine	Liters	HP	System	Functions
				Anti-block system ESP 8.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Static test</li> <li>- ESP test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptation, steering wheel angle sensor</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Bleed</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Power supply</li> <li>- front left tire speed</li> <li>- front right tire speed</li> <li>- rare right tire speed</li> <li>- rear left tire speed</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- rotation angle sensor</li> <li>- pressure sensor</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> </ul>
			Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> </li> </ul>
2010/08		3.0	275	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driving speed adjustment lamp</li> <li>- Accelerator pedal position</li> <li>- Power supply</li> <li>- control unit temperature</li> <li>- Indicators switch, position "to the left"</li> <li>- Indicators switch, position "to the right"</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Kilometer reading</li> <li>- Brakes linings wearing</li> <li>- Number of actual errors</li> <li>- External temperature display</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> </ul> </li> </ul>



Instrument cluster  
Instrument cluster 4.0

- Right direction indicator control light
- Left direction indicator control light
- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

JAGUAR

XJ 8 - XJ 8 3.2 V8 32V

Year	Engine	Liters	HP	System	Functions
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- Identification
- Clear errors
- Error memory
- Current values
  - Brake pedal switch

1997/09 - 2002/08	AC	3.2	237	Anti-block system ABS 4.0	<ul style="list-style-type: none"> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Brake pedal travel</li> <li>- Number of permanent faults</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Power supply sensors: Status</li> <li>- Lateral acceleration raw value</li> <li>- Yaw rate sensor value</li> <li>- Brake booster, solenoid valve, switching fault</li> <li>- Brake fluid level switch</li> <li>- Brake force booster – magnetic valve</li> <li>- Control unit operating status</li> <li>- Brake booster switch normally closed</li> <li>- Brake booster switch normally open</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- pump motor in the hydraulic modulator</li> </ul>
				Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul>

JAGUAR					
XJ 8 - XJ 8 4.0 V8 32V					
Year	Engine	Liters	HP	System	Functions
1997/09 - 2002/08	BC	4.0	284	Anti-block system ABS 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Brake pedal travel</li> <li>- Number of permanent faults</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Power supply sensors: Status</li> <li>- Lateral acceleration raw value</li> <li>- Yaw rate sensor value</li> <li>- Brake booster, solenoid valve, switching fault</li> <li>- Brake fluid level switch</li> <li>- Brake force booster – magnetic valve</li> <li>- Control unit operating status</li> <li>- Brake booster switch normally closed</li> <li>- Brake booster switch normally open</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- pump motor in the hydraulic modulator</li> </ul>
				Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

1997/09 - 2003/08		4.0	0	Anti-block system ABS 4.0	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Brake pedal travel</li> <li>- Number of permanent faults</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Power supply sensors: Status</li> <li>- Lateral acceleration raw value</li> <li>- Yaw rate sensor value</li> <li>- Brake booster, solenoid valve, switching fault</li> <li>- Brake fluid level switch</li> <li>- Brake force booster – magnetic valve</li> <li>- Control unit operating status</li> <li>- Brake booster switch normally closed</li> <li>- Brake booster switch normally open</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- pump motor in the hydraulic modulator</li> </ul> </li> </ul>
				Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>

**JAGUAR** **XJ6/2003 - XJ6 3.0 24V**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status

- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side

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3.0

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Airbag  
Airbag AB 4.0

- Voltage belt lock front passenger's side
- Front left door status
- Front right door status
- Rear left door status
- Rear right door status
- Switch for passenger-side airbag
- Right curtain/side airbag
- Left curtain/side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

Airbag  
Airbag AB X4.1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Number of actual errors
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light

Instrument cluster  
Instrument cluster 4.0

- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Reverse switch
  - Intensity of instrument illumination
  - Signal, terminal 15R (radio)
  - Number of actual errors
  - Odometer

Instrument cluster  
Instrument cluster 4.1

- Fog light control lamp
- Rear fog lights control lamp
- Master key identification
- Number of authorized keys
- Short lights switch
- Working mode
- Airbag gong
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Display background illumination
- Driver's side seat belt
- Automatic light switch
- Daily odometer A
- Ignition starter switch status
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Security access status
- Ignition/starter switch signal: Start
- Access control
- Easy entry button
- Power supply set value lower limit
- Power supply set value upper limit
- Number of faults after system test
- Anti-theft alarm status
- Horn switch
- Display illumination level
- Number of control unit resets
- Steering column horizontal position
- Steering column vertical position
- Parking position switch
- Main beam input signal
- Steering column longitudinal position sensor
- Steering column height position sensor
- Easy entry
- TRIP button
- Steering column adjustment downward
- Steering column adjustment upwards
- Steering column adjustment forth
- Steering column adjustment back
- Current coolant level
- **Actuators**
- Rotational speed sensor
- Tachometer
- Immobilizer, warning light
- Instrument lighting
- Display illumination
- Steering column longitudinal adjustment
- Hazard warning switch LED
- Red warning lamp
- Temperature indicator
- Yellow warning lamp
- Fuel Gauge
- All Warning Lamp

JAGUAR

XJ6/2003 - XJ6 4.2 32V V8 S/C

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> </ul>



Engine control  
PanPag 1.0

- Air mass meter voltage
- Battery voltage
- fan for blowing radiator control
- Knock sensor 1
- Knock sensor 2
- kick-down switch
- Engine revolution
- engine loading
- switch, brakes
- atmospheric pressure
- Passenger compartment temperature
- intake air mass
- Control unit power supply
- Lights switch 2
- valve, exhausted gases recirculation
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)

- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration

2003/03 - 2010/07	AJ-V8	4.2	396	<p>Anti-block system ESP W9.0</p>	<ul style="list-style-type: none"> <li>- Lateral acceleration sensor zero position adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- rotation angle sensor</li> <li>- Lateral acceleration sensor</li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Pressure sensor</li> </ul> </li> </ul>
				<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> </li> </ul>
				<p>Airbag Airbag AB X4.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

Instrument cluster  
Instrument cluster 4.0

- Power supply
- Driving speed adjustment lamp
- Accelerator pedal position
- Power supply
- control unit temperature
- Indicators switch, position "to the left"
- Indicators switch, position "to the right"
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Kilometer reading
- Brakes linings wearing
- Number of actual errors
- External temperature display
- Generator lamp
- Seat belt control light
- ABS control light
- ASR/ESP control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red

- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

Instrument cluster  
Instrument cluster 4.1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Reverse switch
  - Intensity of instrument illumination
  - Signal, terminal 15R (radio)
  - Number of actual errors
  - Odometer
  - Fog light control lamp
  - Rear fog lights control lamp
  - Master key identification
  - Number of authorized keys
  - Short lights switch
  - Working mode
  - Airbag gong
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Display background illumination
  - Driver's side seat belt
  - Automatic light switch
  - Daily odometer A
  - Ignition starter switch status
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Security access status
  - Ignition/starter switch signal: Start
  - Access control
  - Easy entry button
  - Power supply set value lower limit
  - Power supply set value upper limit
  - Number of faults after system test
  - Anti-theft alarm status
  - Horn switch
  - Display illumination level
  - Number of control unit resets
  - Steering column horizontal position
  - Steering column vertical position
  - Parking position switch
  - Main beam input signal
  - Steering column longitudinal position sensor
  - Steering column height position sensor
  - Easy entry
  - TRIP button
  - Steering column adjustment downward
  - Steering column adjustment upwards
  - Steering column adjustment forth
  - Steering column adjustment back
  - Current coolant level
- **Actuators**
  - Rotational speed sensor
  - Tachometer
  - Immobilizer, warning light
  - Instrument lighting
  - Display illumination
  - Steering column longitudinal adjustment
  - Hazard warning switch LED
  - Red warning lamp
  - Temperature indicator

- Yellow warning lamp
- Fuel Gauge
- All Warning Lamp

JAGUAR						XJ6/2003 - XJ6 2.7D V6									
Year	Engine	Liters	HP	System						Functions					
				Engine control Diesel CR/EDC SID 20x						<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Diesel particle filter adjustment</li> <li>- High-pressure pump, initialization</li> <li>- Electr. fuel pump activation</li> <li>- Reset EKP adaptation values</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air compressor pressure signal</li> <li>- Oil quality</li> <li>- Additional warming up</li> <li>- Intake charge-air temperature</li> <li>- Fuel pump relay</li> <li>- Fuel temperature</li> <li>- Coolant temperature</li> <li>- Battery voltage</li> <li>- Engine revolution</li> <li>- intake manifold pressure</li> <li>- Exhaust gas recirculation control</li> <li>- Lights switch 1</li> <li>- Lights switch 2</li> <li>- Clutch switch</li> <li>- atmospheric pressure</li> <li>- recommended idle revolutions</li> <li>- cruise control, signal adjustment</li> <li>- Nominal parameters throttle valve</li> <li>- engine oil temperature</li> <li>- warming up relay</li> <li>- Intake air temperature</li> <li>- Engine oil level</li> <li>- Control unit, Voltage sensor 1</li> <li>- Control unit, Voltage sensor 2</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- EGR valve set position</li> <li>- Driving speed control</li> <li>- intake manifold pressure sensor</li> <li>- Switch Parking / Neutral</li> <li>- pedal position sensor 1</li> <li>- pedal position sensor 2</li> <li>- Fuel level in the tank</li> <li>- Rail pressure (measured)</li> <li>- Requested voltage Generator</li> <li>- Charging-air pressure magnetic valve 1</li> <li>- Charging-air pressure magnetic valve 2</li> <li>- Load, calculated value</li> <li>- Ambient temperature</li> <li>- Driver's Demand Engine Torque</li> <li>- Actual Engine Torque</li> <li>- Fuel level signal 1</li> <li>- Fuel level signal 2</li> <li>- Air mass meter A</li> <li>- Air mass meter B</li> <li>- DPF temperature</li> <li>- EGR Duty cycle/Position A, set value</li> <li>- EGR Duty cycle/Position A, actual value</li> <li>- EGR B Duty Cycle/Position, set value</li> <li>- EGR B Duty Cycle/Position, actual value</li> <li>- DPF Regeneration Type</li> <li>- No. of successful regen. operations</li> <li>- Mileage since last DPF regeneration</li> <li>- Number of terminated DPF regenerations</li> <li>- Intake manifold pressure difference</li> </ul> </li> </ul>					

- Status Generator
- Ignition voltage supply
- Rail pressure control valve
- Battery management
- Boost pressure control status bank 1
- Boost pressure control status, bank 2
- Mileage since DPF cleaning
- Fuel metering valve
- Exhaust gas recirculation correction
- Injector 1 correction value
- Injector 2 correction value
- Injector 3 correction value
- Injector 4 correction value
- Injector 5 correction value
- Injector 6 correction value
- Actuation EGR valve
- Exhaust gas flap, actual value
- Swirl flap position
- Ignition/starter switch signal: Start
- Refueling volume
- Throttle valve position: Position control deviation
- Calculated engine torque
- DC/DC converter: Output voltage
- DPF stat.: Regeneration time counter
- Optimum distance between DPF regenerations
- No. of incomplete regenerations
- No. of slow regenerations Motorway
- No. of slow regenerations Urban traffic
- No. of fast regenerations Motorway
- No. of fast regenerations Urban traffic
- Slow regeneration Motorway
- Slow regeneration Motorway history
- Slow regeneration Urban traffic
- Slow regeneration Urban traffic history
- Fast regeneration Motorway
- Fast regeneration Motorway history
- Fast regeneration Urban traffic
- Fast regeneration Urban traffic history
- Control unit temperature
- Particle filter differential pressure
- Injection period post-injection
- Accelerator pedal angle
- Carbon black content Particle filter
- Time since engine running
- Particle/nitrog.ox. filter status
- Mileage since last regeneration attempt
- Cruise control voltage
- Limp-home regeneration operations count
- Cooling fan operating status
- Engine coolant temperature 1

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal

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Airbag  
Airbag AB 4.0

- Electronic control unit supply voltage
- Kilometer reading
- Voltage belt lock driver's side
- Voltage belt lock front passenger's side
- Front left door status
- Front right door status
- Rear left door status
- Rear right door status
- Switch for passenger-side airbag
- Right curtain/side airbag
- Left curtain/side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

Airbag  
Airbag AB X4.1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Number of actual errors
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light



Instrument cluster  
Instrument cluster 4.0

- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Reverse switch
  - Intensity of instrument illumination

Instrument cluster  
Instrument cluster 4.1

- Signal, terminal 15R (radio)
- Number of actual errors
- Odometer
- Fog light control lamp
- Rear fog lights control lamp
- Master key identification
- Number of authorized keys
- Short lights switch
- Working mode
- Airbag gong
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Display background illumination
- Driver's side seat belt
- Automatic light switch
- Daily odometer A
- Ignition starter switch status
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Security access status
- Ignition/starter switch signal: Start
- Access control
- Easy entry button
- Power supply set value lower limit
- Power supply set value upper limit
- Number of faults after system test
- Anti-theft alarm status
- Horn switch
- Display illumination level
- Number of control unit resets
- Steering column horizontal position
- Steering column vertical position
- Parking position switch
- Main beam input signal
- Steering column longitudinal position sensor
- Steering column height position sensor
- Easy entry
- TRIP button
- Steering column adjustment downward
- Steering column adjustment upwards
- Steering column adjustment forth
- Steering column adjustment back
- Current coolant level
- **Actuators**
  - Rotational speed sensor
  - Tachometer
  - Immobilizer, warning light
  - Instrument lighting
  - Display illumination
  - Steering column longitudinal adjustment
  - Hazard warning switch LED
  - Red warning lamp
  - Temperature indicator
  - Yellow warning lamp
  - Fuel Gauge
  - All Warning Lamp

JAGUAR

XJ6/2003 - XJ6 2.5 32V

Year	Engine	Liters	HP	System	Functions
2003/03 - 2005/03	AJ-V6	2.5	200	Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> </ul> </li> </ul>

- Resistance ZK1 front airbag front passenger's side
- FS front side airbag resistance
- BFS front side airbag resistance

JAGUAR

XJ8/2003 - XJ 8 3.5 32V

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Oxygen sensor bank 2, sensor 1)</li> <li>- Air pressure sensor</li> <li>- Oxygen sensor voltage (bank 2-sensor 2)</li> <li>- Oxygen sensor heater (bank 2, sensor 1)</li> <li>- Kilometer reading</li> <li>- Fuel fill level signal</li> <li>- Clutch pedal switch</li> <li>- intake manifold pressure sensor</li> <li>- Charging-air pressure sensor</li> <li>- Engine speed set value in idle running</li> <li>- Lambda target value</li> <li>- Cruise control, control light</li> <li>- External air temperature</li> <li>- Accelerator pedal, position D</li> <li>- Accelerator pedal, position E</li> <li>- Engine management system error lights</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2

- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Engine control  
 Engine management DEN X4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air compressor pressure signal
  - Voltage, throttle valve position sensor
  - Control unit Voltage sensor
  - Fuel pressure control
  - Vehicle driving speed
  - Fuel pump relay
  - Status idle reg.
  - Coolant temperature
  - Pulse-duty factor, fuel tank ventilation valve
  - Air mass meter voltage
  - Engine for reg. throttle valve
  - Engine revolution
  - intake manifold pressure
  - intake air mass
  - cruise control switch
  - Lights switch 1
  - Lights switch 2
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - fuel tank evaporation/regeneration valve
  - Main relay
  - voltage: engine pump
  - Air conditioner relay
  - Control unit, internal reference voltage
  - Intake air temperature
  - Catalytic converter temperature (Bank 2)
  - Exhausted gases signal lamp
  - Firing angle adjustment
  - Throttle valve position sensor 1
  - Throttle valve position sensor 2
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Short-term mixture correction, bank 1
  - Short-term mixture correction, bank 2
  - Long-term mixture correction, bank 1
  - Long-term mixture correction, bank 2
  - Oil temperature sensor
  - Stopping valve, fuel evaporation system
  - Clutch pedal switch
  - Switch Parking / Neutral
  - Generator exciter winding
  - Short-term AFR correction B1, S2
  - Short-term AFR correction B2, S2
  - Oil pressure switch
  - Throttle valve position
  - Generator lamp
  - Relay starter
  - Throttle valve required position
  - Intake manifold pressure sensor voltage
  - mileage from the moment of switching on the lamp for failure
  - Radiator fan

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- Load, calculated value
- Idle speed controller duty cycle
- Charge Air Cooler Temperature
- Voltage fuel temperature sensor
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)
- **Actuators**
  - Radiator fan controller (PWM)

Anti-block system  
ABS 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Brake pedal travel
  - Number of permanent faults
  - Wheel speed rear left
  - Wheel speed rear right
  - Power supply sensors: Status
  - Lateral acceleration raw value
  - Yaw rate sensor value
  - Brake booster, solenoid valve, switching fault
  - Brake fluid level switch
  - Brake force booster – magnetic valve
  - Control unit operating status
  - Brake booster switch normally closed
  - Brake booster switch normally open
- **Actuators**
  - pump motor in the hydraulic modulator

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status

Airbag  
Airbag AB 4.0

- Rear right door status
- Switch for passenger-side airbag
- Right curtain/side airbag
- Left curtain/side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

Airbag  
Airbag AB X4.1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Number of actual errors
  - Resistance pretensioner driver side
  - Resistance pretensioner front passenger side
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - FS front side airbag resistance
  - BFS front side airbag resistance

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper

Instrument cluster  
Instrument cluster 4.0

- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Reverse switch
  - Intensity of instrument illumination
  - Signal, terminal 15R (radio)
  - Number of actual errors
  - Odometer
  - Fog light control lamp
  - Rear fog lights control lamp
  - Master key identification
  - Number of authorized keys



Instrument cluster  
Instrument cluster 4.1

- Short lights switch
- Working mode
- Airbag gong
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Display background illumination
- Driver's side seat belt
- Automatic light switch
- Daily odometer A
- Ignition starter switch status
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Security access status
- Ignition/starter switch signal: Start
- Access control
- Easy entry button
- Power supply set value lower limit
- Power supply set value upper limit
- Number of faults after system test
- Anti-theft alarm status
- Horn switch
- Display illumination level
- Number of control unit resets
- Steering column horizontal position
- Steering column vertical position
- Parking position switch
- Main beam input signal
- Steering column longitudinal position sensor
- Steering column height position sensor
- Easy entry
- TRIP button
- Steering column adjustment downward
- Steering column adjustment upwards
- Steering column adjustment forth
- Steering column adjustment back
- Current coolant level
- **Actuators**
  - Rotational speed sensor
  - Tachometer
  - Immobilizer, warning light
  - Instrument lighting
  - Display illumination
  - Steering column longitudinal adjustment
  - Hazard warning switch LED
  - Red warning lamp
  - Temperature indicator
  - Yellow warning lamp
  - Fuel Gauge
  - All Warning Lamp

**JAGUAR XJ8/2003 - XJ 8 4.2 32V**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> </ul> </li> </ul>

Engine control  
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- Knock sensor 2
- kick-down switch
- Engine revolution
- engine loading
- switch, brakes
- atmospheric pressure
- Passenger compartment temperature
- intake air mass
- Control unit power supply
- Lights switch 2
- valve, exhausted gases recirculation
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)

- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air compressor pressure signal
  - Voltage, throttle valve position sensor
  - Control unit Voltage sensor
  - Fuel pressure control

Engine control  
Engine management DEN X4.0

- Vehicle driving speed
- Fuel pump relay
- Status idle reg.
- Coolant temperature
- Pulse-duty factor, fuel tank ventilation valve
- Air mass meter voltage
- Engine for reg. throttle valve
- Engine revolution
- intake manifold pressure
- intake air mass
- cruise control switch
- Lights switch 1
- Lights switch 2
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- fuel tank evaporation/regeneration valve
- Main relay
- voltage: engine pump
- Air conditioner relay
- Control unit, internal reference voltage
- Intake air temperature
- Catalytic converter temperature (Bank 2)
- Exhausted gases signal lamp
- Firing angle adjustment
- Throttle valve position sensor 1
- Throttle valve position sensor 2
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Short-term mixture correction, bank 1
- Short-term mixture correction, bank 2
- Long-term mixture correction, bank 1
- Long-term mixture correction, bank 2
- Oil temperature sensor
- Stopping valve, fuel evaporation system
- Clutch pedal switch
- Switch Parking / Neutral
- Generator exciter winding
- Short-term AFR correction B1, S2
- Short-term AFR correction B2, S2
- Oil pressure switch
- Throttle valve position
- Generator lamp
- Relay starter
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Radiator fan
- Load, calculated value
- Idle speed controller duty cycle
- Charge Air Cooler Temperature
- Voltage fuel temperature sensor
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)

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- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)

- **Actuators**
  - Radiator fan controller (PWM)

Anti-block system  
ABS 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Brake pedal travel
  - Number of permanent faults
  - Wheel speed rear left
  - Wheel speed rear right
  - Power supply sensors: Status
  - Lateral acceleration raw value
  - Yaw rate sensor value
  - Brake booster, solenoid valve, switching fault
  - Brake fluid level switch
  - Brake force booster – magnetic valve
  - Control unit operating status
  - Brake booster switch normally closed
  - Brake booster switch normally open
- **Actuators**
  - pump motor in the hydraulic modulator

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage

	<ul style="list-style-type: none"> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul>
<p>Airbag Airbag AB X4.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driving speed adjustment lamp</li> <li>- Accelerator pedal position</li> <li>- Power supply</li> <li>- control unit temperature</li> <li>- Indicators switch, position "to the left"</li> <li>- Indicators switch, position "to the right"</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Kilometer reading</li> <li>- Brakes linings wearing</li> <li>- Number of actual errors</li> <li>- External temperature display</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Alarm LED</li> <li>- Oil pressure control lamp</li> <li>- Windshield washing switch</li> <li>- Switch position for windscreen wiper</li> <li>- Fuel level signal 1</li> <li>- Fuel level signal 2</li> <li>- Multi-function display button</li> <li>- Liquid crystal display (LCD) brightness</li> <li>- Fog lamp input signal</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Distance warning display</li> <li>- Glow control light</li> <li>- Vehicle speed warning light</li> <li>- Ambient light sensor</li> <li>- Wiper switch</li> <li>- Fog light switch</li> <li>- Transmission oil temperature warning lamp</li> <li>- Rear fog lights switch</li> <li>- Input signal/rear fog light</li> <li>- Operating time</li> <li>- Steering column status</li> <li>- Parking brake, warning light</li> <li>- Red indicator lamp</li> <li>- Windshield intermittent wipe switch</li> <li>- Steering column adjustment, end position, Rear</li> <li>- Steering column adjustment, end position, Front</li> <li>- Steering column adjustment, end position, Bottom</li> </ul> </li> </ul>

- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

Instrument cluster  
Instrument cluster 4.1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Mileage in km or miles
  - Trip counter reset
  - Reverse switch
  - Intensity of instrument illumination
  - Signal, terminal 15R (radio)
  - Number of actual errors
  - Odometer
  - Fog light control lamp
  - Rear fog lights control lamp
  - Master key identification
  - Number of authorized keys
  - Short lights switch
  - Working mode
  - Airbag gong
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Display background illumination
  - Driver's side seat belt
  - Automatic light switch
  - Daily odometer A
  - Ignition starter switch status
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Security access status
  - Ignition/starter switch signal: Start
  - Access control
  - Easy entry button
  - Power supply set value lower limit
  - Power supply set value upper limit
  - Number of faults after system test
  - Anti-theft alarm status
  - Horn switch
  - Display illumination level
  - Number of control unit resets

- Steering column horizontal position
- Steering column vertical position
- Parking position switch
- Main beam input signal
- Steering column longitudinal position sensor
- Steering column height position sensor
- Easy entry
- TRIP button
- Steering column adjustment downward
- Steering column adjustment upwards
- Steering column adjustment forth
- Steering column adjustment back
- Current coolant level
- **Actuators**
  - Rotational speed sensor
  - Tachometer
  - Immobilizer, warning light
  - Instrument lighting
  - Display illumination
  - Steering column longitudinal adjustment
  - Hazard warning switch LED
  - Red warning lamp
  - Temperature indicator
  - Yellow warning lamp
  - Fuel Gauge
  - All Warning Lamp

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air consumption meter (Bank 1)
  - Air consumption meter (Bank 2)
  - Vehicle driving speed
  - Cooling fan speed
  - Engine oil pressure
  - throttle valve position
  - Contact switch
  - Coolant temperature
  - Air mass meter voltage
  - Battery voltage
  - fan for blowing radiator control
  - Knock sensor 1
  - Knock sensor 2
  - kick-down switch
  - Engine revolution
  - engine loading
  - switch, brakes
  - atmospheric pressure
  - Passenger compartment temperature
  - intake air mass
  - Control unit power supply
  - Lights switch 2
  - valve, exhausted gases recirculation
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - electric fuel pump
  - control revolutions idle
  - Oxygen sensor 1, bank 1
  - Oxygen sensor 1, bank 2
  - Knock sensor 4
  - Knock sensor 3
  - engine oil temperature
  - Max speed limitation
  - Coolant temperature sensor
  - Fuel pressure, rail
  - Rail pressure sensor
  - Engine oil level
  - Camshaft control (bank 1)
  - Camshaft control (bank 2)
  - Electronic control unit supply voltage
  - Oxygen sensor voltage (bank 1-sensor 2)
  - Acceleration pedal position sensor 1



Engine control  
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- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion  
cylinder 1
- harmful for catalytic converter lack of combustion  
cylinder 2
- harmful for catalytic converter lack of combustion  
cylinder 3
- harmful for catalytic converter lack of combustion  
cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for  
failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)

- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air compressor pressure signal
  - Voltage, throttle valve position sensor
  - Control unit Voltage sensor
  - Fuel pressure control
  - Vehicle driving speed
  - Fuel pump relay
  - Status idle reg.
  - Coolant temperature
  - Pulse-duty factor, fuel tank ventilation valve
  - Air mass meter voltage
  - Engine for reg. throttle valve
  - Engine revolution
  - intake manifold pressure
  - intake air mass
  - cruise control switch
  - Lights switch 1
  - Lights switch 2
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - fuel tank evaporation/regeneration valve
  - Main relay
  - voltage: engine pump
  - Air conditioner relay
  - Control unit, internal reference voltage
  - Intake air temperature
  - Catalytic converter temperature (Bank 2)
  - Exhausted gases signal lamp
  - Firing angle adjustment
  - Throttle valve position sensor 1
  - Throttle valve position sensor 2
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Short-term mixture correction, bank 1
  - Short-term mixture correction, bank 2

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Engine control  
Engine management DEN X4.0

- Long-term mixture correction, bank 1
- Long-term mixture correction, bank 2
- Oil temperature sensor
- Stopping valve, fuel evaporation system
- Clutch pedal switch
- Switch Parking / Neutral
- Generator exciter winding
- Short-term AFR correction B1, S2
- Short-term AFR correction B2, S2
- Oil pressure switch
- Throttle valve position
- Generator lamp
- Relay starter
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Radiator fan
- Load, calculated value
- Idle speed controller duty cycle
- Charge Air Cooler Temperature
- Voltage fuel temperature sensor
- Atmospheric pressure sensor
- Exhaust gas recirculation Position Target Value
- Air mass meter plausibility check
- Oxygen sensor heater (B1,S2): status
- Starter request
- Intake air control valve 1
- Intake air control valve 2
- Intake air temperature signal voltage
- Air conditioner monitoring status
- Fuel shut-off signal
- Engine coolant temperature sensor: signal voltage
- Lambda sensor (bank 1, sensor 1) current
- Oxygen sensor (bank 2, sensor 1) current
- Oxygen sensors heating (bank 2, sensor 2): Status
- Camshaft adjustment 2 duty cycle
- Camshaft adjustment 2 position
- Camshaft adjustment 1 duty cycle
- Camshaft adjustment 1 position
- Catalytic converter temperature (bank 1)
- Oxygen sensor status (B1, S2)
- Oxygen sensor status (bank 2, sensor 2)
- EKP PWM
- Fuel evaporation system voltage
- Key combination Radiator fan
- PWM Generator
- Throttle valve control motor relay
- Monitoring of fuel system
- Cruise control voltage
- Lambda ratio (Bank 1, sensor 1)
- Lambda ratio (Bank 2, sensor 1)
- **Actuators**
  - Radiator fan controller (PWM)

Anti-block system  
ABS 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Brake pedal travel
  - Number of permanent faults
  - Wheel speed rear left
  - Wheel speed rear right
  - Power supply sensors: Status
  - Lateral acceleration raw value
  - Yaw rate sensor value
  - Brake booster, solenoid valve, switching fault
  - Brake fluid level switch
  - Brake force booster – magnetic valve
  - Control unit operating status

	<ul style="list-style-type: none"> <li>- Brake booster switch normally closed</li> <li>- Brake booster switch normally open</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- pump motor in the hydraulic modulator</li> </ul> </li> </ul>
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> </li> </ul>
<p>Airbag Airbag AB X4.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Mileage in km or miles</li> <li>- Trip counter reset</li> <li>- Reverse switch</li> <li>- Intensity of instrument illumination</li> <li>- Signal, terminal 15R (radio)</li> <li>- Number of actual errors</li> </ul> </li> </ul>

Instrument cluster  
Instrument cluster 4.1

- Odometer
- Fog light control lamp
- Rear fog lights control lamp
- Master key identification
- Number of authorized keys
- Short lights switch
- Working mode
- Airbag gong
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Display background illumination
- Driver's side seat belt
- Automatic light switch
- Daily odometer A
- Ignition starter switch status
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Security access status
- Ignition/starter switch signal: Start
- Access control
- Easy entry button
- Power supply set value lower limit
- Power supply set value upper limit
- Number of faults after system test
- Anti-theft alarm status
- Horn switch
- Display illumination level
- Number of control unit resets
- Steering column horizontal position
- Steering column vertical position
- Parking position switch
- Main beam input signal
- Steering column longitudinal position sensor
- Steering column height position sensor
- Easy entry
- TRIP button
- Steering column adjustment downward
- Steering column adjustment upwards
- Steering column adjustment forth
- Steering column adjustment back
- Current coolant level
- **Actuators**
- Rotational speed sensor
- Tachometer
- Immobilizer, warning light
- Instrument lighting
- Display illumination
- Steering column longitudinal adjustment
- Hazard warning switch LED
- Red warning lamp
- Temperature indicator
- Yellow warning lamp
- Fuel Gauge
- All Warning Lamp

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XJR - XJR 4.2 32V

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> </ul>

Engine control  
PanPag 1.0

- Contact switch
- Coolant temperature
- Air mass meter voltage
- Battery voltage
- fan for blowing radiator control
- Knock sensor 1
- Knock sensor 2
- kick-down switch
- Engine revolution
- engine loading
- switch, brakes
- atmospheric pressure
- Passenger compartment temperature
- intake air mass
- Control unit power supply
- Lights switch 2
- valve, exhausted gases recirculation
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)

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- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

- Identification
- Clear errors

				Anti-block system ESP W9.0	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Brake pressure sensor zero pos. calibration</li> <li>- Lateral acceleration sensor zero position adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- rotation angle sensor</li> <li>- Lateral acceleration sensor</li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Pressure sensor</li> </ul> </li> </ul>
				Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>

<b>JAGUAR</b>	<b>XJR 8 - XJR 8 4.0 V8 32V Kompressor</b>
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Year	Engine	Liters	HP	System	Functions
1997/09 - 2002/09	DC	4.0	363	Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>

<b>JAGUAR</b>	<b>XJR/2003 Convertible - XJR 4.2 32V V8 S/C Convertible</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> </ul> </li> </ul>



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Engine control  
PanPag 1.0

- intake air mass
- Control unit power supply
- Lights switch 2
- valve, exhausted gases recirculation
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump

- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Oxygen sensor bank 2, sensor 1)</li> <li>- Air pressure sensor</li> <li>- Oxygen sensor voltage (bank 2-sensor 2)</li> <li>- Oxygen sensor heater (bank 2, sensor 1)</li> <li>- Kilometer reading</li> <li>- Fuel fill level signal</li> <li>- Clutch pedal switch</li> <li>- intake manifold pressure sensor</li> <li>- Charging-air pressure sensor</li> <li>- Engine speed set value in idle running</li> <li>- Lambda target value</li> <li>- Cruise control, control light</li> <li>- External air temperature</li> <li>- Accelerator pedal, position D</li> <li>- Accelerator pedal, position E</li> <li>- Engine management system error lights</li> <li>- Lambda actual value (Bank 1)</li> <li>- Lambda actual value (Bank 2)</li> <li>- harmful for catalytic converter lack of combustion</li> </ul> </li> </ul>

2003/03 - 2009/03	AJ-V8	4.2	396	Engine control PanPag 1.0	cylinder 1 - harmful for catalytic converter lack of combustion cylinder 2 - harmful for catalytic converter lack of combustion cylinder 3 - harmful for catalytic converter lack of combustion cylinder 4 - Cylinder 5 misfire, harmful for the catalytic converter - Cylinder 6 misfire, harmful for the catalytic converter - Harmful for the catalytic converter misfire, cylinder 7 - Harmful for the catalytic converter misfire, cylinder 8 - Throttle valve required position - Intake manifold pressure sensor voltage - mileage from the moment of switching on the lamp for failure - Oxygen sensor heater (bank 1, sensor 1) - Intake air temperature sensor (bank 1, sensor 1) - Intake air temperature sensor (bank 2, sensor 1) - Cruise control/ACC button, speed + - Cruise control/ACC button, speed - - Cruise control/ACC button RESUME - Inlet camshaft timing control (bank 2) - Inlet camsh. timing control (bank2) - Exhaust camsh. timing cntrl. (bank1) - Exhaust camsh. timing cntrl. (bank2) - Fuel tank leakage diagnostic pump - Atmospheric pressure voltage sensor - Passenger compartment temperature sensor - Status electronic fuel pump - Fuel pump relay - Status Diagnosis - ACC deactivation button - Operating time - Sportronic switch upshift - Sportronic switch downshift - Starter relay monitoring - Radiator fan speed actual value - Fuel low-pressure sensor - A/C compressor status - Interior temperature - Air mass meter 1: Air mass - Air mass meter 2: Air mass - A/C compressor torque request - CAT temperature (B1,S2) - CAT temperature (B1,S1) - Secondary air pressure sensor - Boost pressure sensor signal voltage - Coolant temperature sensor 1 - Coolant temperature sensor 2 - Number of faults after system test - VVT inlet valve actual timing, bank 1 - Catalytic converter temperature (bank 2, sensor 1) - Catalytic converter temperature (bank 2, sensor 2) - Control unit temperature sensor voltage - Rail temperature - Rail temperature sensor voltage - Exhaust gas recirculation set value - Fuel pump monitoring - Temp. sensor downstream of charge air cooler: signal voltage - Switching valve, intake manifold, status - A/C pressure sensor high-pressure circuit - Motor relay signal - Time from engine OFF - Fuel shutoff - Charge air temperature sensor - Oxygen sensor voltage (bank 1-sensor 3) - Oxygen sensor voltage (bank 2, sensor 3) - Status High pressure pump - Intake air temperature 2 - Coolant temperature 2 - Secondary air pressure sensor voltage - Status Wake-Up Signal
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					<ul style="list-style-type: none"> <li>- Distance from clear of errors</li> <li>- Fuel high-pressure sensor voltage</li> <li>- Intake air, temperature 1</li> <li>- Time since engine running</li> <li>- Air suspension compressor</li> <li>- Cruise control/ACC, button Reset</li> <li>- Engine oil temperature sensor</li> <li>- Electronics box, fan</li> <li>- EVAP flushing valve</li> <li>- Starting relay feedback signal</li> <li>- VVT inlet valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 1</li> </ul>
			Anti-block system ESP W9.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Brake pressure sensor zero pos. calibration</li> <li>- Lateral acceleration sensor zero position adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- rotation angle sensor</li> <li>- Lateral acceleration sensor</li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Pressure sensor</li> </ul> </li> </ul>

**JAGUAR** **XK 8 Convertible - XK 8 4.2 32V Convertible**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)

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Anti-block system  
ABS 4.0

Anti-block system

- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Brake pedal travel
  - Number of permanent faults
  - Wheel speed rear left
  - Wheel speed rear right
  - Power supply sensors: Status
  - Lateral acceleration raw value
  - Yaw rate sensor value
  - Brake booster, solenoid valve, switching fault
  - Brake fluid level switch
  - Brake force booster – magnetic valve
  - Control unit operating status
  - Brake booster switch normally closed
  - Brake booster switch normally open
- **Actuators**
  - pump motor in the hydraulic modulator

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**

ESP W9.0	<ul style="list-style-type: none"> <li>- rotation angle sensor</li> <li>- Lateral acceleration sensor</li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Pressure sensor</li> </ul>
Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> </li> </ul>
Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driving speed adjustment lamp</li> <li>- Accelerator pedal position</li> <li>- Power supply</li> </ul> </li> </ul>



Instrument cluster  
Instrument cluster 4.0

- control unit temperature
- Indicators switch, position "to the left"
- Indicators switch, position "to the right"
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Kilometer reading
- Brakes linings wearing
- Number of actual errors
- External temperature display
- Generator lamp
- Seat belt control light
- ABS control light
- ASR/ESP control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status

- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR XK 8 Convertible - XK 8 4.2 R 32V Convertible**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Oxygen sensor bank 2, sensor 1)</li> <li>- Air pressure sensor</li> <li>- Oxygen sensor voltage (bank 2-sensor 2)</li> <li>- Oxygen sensor heater (bank 2, sensor 1)</li> <li>- Kilometer reading</li> <li>- Fuel fill level signal</li> <li>- Clutch pedal switch</li> <li>- intake manifold pressure sensor</li> <li>- Charging-air pressure sensor</li> <li>- Engine speed set value in idle running</li> <li>- Lambda target value</li> <li>- Cruise control, control light</li> <li>- External air temperature</li> <li>- Accelerator pedal, position D</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)

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Engine control  
Engine management DEN X4.0

- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air compressor pressure signal
  - Voltage, throttle valve position sensor
  - Control unit Voltage sensor
  - Fuel pressure control
  - Vehicle driving speed
  - Fuel pump relay
  - Status idle reg.
  - Coolant temperature
  - Pulse-duty factor, fuel tank ventilation valve
  - Air mass meter voltage
  - Engine for reg. throttle valve
  - Engine revolution
  - intake manifold pressure
  - intake air mass
  - cruise control switch
  - Lights switch 1
  - Lights switch 2
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - fuel tank evaporation/regeneration valve
  - Main relay
  - voltage: engine pump
  - Air conditioner relay
  - Control unit, internal reference voltage
  - Intake air temperature
  - Catalytic converter temperature (Bank 2)
  - Exhausted gases signal lamp
  - Firing angle adjustment
  - Throttle valve position sensor 1
  - Throttle valve position sensor 2
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Short-term mixture correction, bank 1
  - Short-term mixture correction, bank 2
  - Long-term mixture correction, bank 1
  - Long-term mixture correction, bank 2
  - Oil temperature sensor
  - Stopping valve, fuel evaporation system
  - Clutch pedal switch
  - Switch Parking / Neutral
  - Generator exciter winding
  - Short-term AFR correction B1, S2
  - Short-term AFR correction B2, S2
  - Oil pressure switch
  - Throttle valve position
  - Generator lamp
  - Relay starter
  - Throttle valve required position
  - Intake manifold pressure sensor voltage
  - mileage from the moment of switching on the lamp for

	<p>failure</p> <ul style="list-style-type: none"> <li>- Radiator fan</li> <li>- Load, calculated value</li> <li>- Idle speed controller duty cycle</li> <li>- Charge Air Cooler Temperature</li> <li>- Voltage fuel temperature sensor</li> <li>- Atmospheric pressure sensor</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Air mass meter plausibility check</li> <li>- Oxygen sensor heater (B1,S2): status</li> <li>- Starter request</li> <li>- Intake air control valve 1</li> <li>- Intake air control valve 2</li> <li>- Intake air temperature signal voltage</li> <li>- Air conditioner monitoring status</li> <li>- Fuel shut-off signal</li> <li>- Engine coolant temperature sensor: signal voltage</li> <li>- Lambda sensor (bank 1, sensor 1) current</li> <li>- Oxygen sensor (bank 2, sensor 1) current</li> <li>- Oxygen sensors heating (bank 2, sensor 2): Status</li> <li>- Camshaft adjustment 2 duty cycle</li> <li>- Camshaft adjustment 2 position</li> <li>- Camshaft adjustment 1 duty cycle</li> <li>- Camshaft adjustment 1 position</li> <li>- Catalytic converter temperature (bank 1)</li> <li>- Oxygen sensor status (B1, S2)</li> <li>- Oxygen sensor status (bank 2, sensor 2)</li> <li>- EKP PWM</li> <li>- Fuel evaporation system voltage</li> <li>- Key combination Radiator fan</li> <li>- PWM Generator</li> <li>- Throttle valve control motor relay</li> <li>- Monitoring of fuel system</li> <li>- Cruise control voltage</li> <li>- Lambda ratio (Bank 1, sensor 1)</li> <li>- Lambda ratio (Bank 2, sensor 1)</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Radiator fan controller (PWM)</li> </ul> </li> </ul>
<p>Anti-block system ABS 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Brake pedal travel</li> <li>- Number of permanent faults</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Power supply sensors: Status</li> <li>- Lateral acceleration raw value</li> <li>- Yaw rate sensor value</li> <li>- Brake booster, solenoid valve, switching fault</li> <li>- Brake fluid level switch</li> <li>- Brake force booster – magnetic valve</li> <li>- Control unit operating status</li> <li>- Brake booster switch normally closed</li> <li>- Brake booster switch normally open</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- pump motor in the hydraulic modulator</li> </ul> </li> </ul>
<p>Anti-block system ESP W9.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Brake pressure sensor zero pos. calibration</li> <li>- Lateral acceleration sensor zero position adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- rotation angle sensor</li> <li>- Lateral acceleration sensor</li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Pressure sensor</li> </ul>
				Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>

<b>JAGUAR XK 8 Convertible - XK 8 4.0 32V Convertible</b>					
Year	Engine	Liters	HP	System	Functions
1996/03 - 2002/09	CE,CC,NC,NB	4.0	284	Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>

<b>JAGUAR XK 8 Convertible - XK 8 4.0 R 32V Convertible</b>					
Year	Engine	Liters	HP	System	Functions
1998/03 - 2002/09	EC	4.0	363 - 375	Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>

<b>JAGUAR XK 8 Coupe - XK 8 4.2 32V Coupe</b>					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- fan for blowing radiator control
- Knock sensor 1
- Knock sensor 2
- kick-down switch
- Engine revolution
- engine loading
- switch, brakes
- atmospheric pressure
- Passenger compartment temperature
- intake air mass
- Control unit power supply
- Lights switch 2
- valve, exhausted gases recirculation
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
  - harmful for catalytic converter lack of combustion cylinder 2
  - harmful for catalytic converter lack of combustion cylinder 3
  - harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
  - Oxygen sensor heater (bank 1, sensor 1)
  - Intake air temperature sensor (bank 1, sensor 1)
  - Intake air temperature sensor (bank 2, sensor 1)
  - Cruise control/ACC button, speed +
  - Cruise control/ACC button, speed -

- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Brake pedal switch
  - Wheel speed front left



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Anti-block system  
ABS 4.0

- Wheel speed front right
- Brake pedal travel
- Number of permanent faults
- Wheel speed rear left
- Wheel speed rear right
- Power supply sensors: Status
- Lateral acceleration raw value
- Yaw rate sensor value
- Brake booster, solenoid valve, switching fault
- Brake fluid level switch
- Brake force booster – magnetic valve
- Control unit operating status
- Brake booster switch normally closed
- Brake booster switch normally open
- **Actuators**
  - pump motor in the hydraulic modulator

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Front left seat cushion airbag
  - Front right seat cushion airbag

	<ul style="list-style-type: none"> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul>
<p>Airbag Airbag AB X4.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driving speed adjustment lamp</li> <li>- Accelerator pedal position</li> <li>- Power supply</li> <li>- control unit temperature</li> <li>- Indicators switch, position "to the left"</li> <li>- Indicators switch, position "to the right"</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Kilometer reading</li> <li>- Brakes linings wearing</li> <li>- Number of actual errors</li> <li>- External temperature display</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Alarm LED</li> <li>- Oil pressure control lamp</li> <li>- Windshield washing switch</li> <li>- Switch position for windscreen wiper</li> <li>- Fuel level signal 1</li> <li>- Fuel level signal 2</li> <li>- Multi-function display button</li> <li>- Liquid crystal display (LCD) brightness</li> <li>- Fog lamp input signal</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Distance warning display</li> <li>- Glow control light</li> <li>- Vehicle speed warning light</li> <li>- Ambient light sensor</li> <li>- Wiper switch</li> <li>- Fog light switch</li> <li>- Transmission oil temperature warning lamp</li> <li>- Rear fog lights switch</li> <li>- Input signal/rear fog light</li> <li>- Operating time</li> <li>- Steering column status</li> <li>- Parking brake, warning light</li> <li>- Red indicator lamp</li> <li>- Windshield intermittent wipe switch</li> <li>- Steering column adjustment, end position, Rear</li> <li>- Steering column adjustment, end position, Front</li> <li>- Steering column adjustment, end position, Bottom</li> <li>- Steering column adjustment, end position, Top</li> <li>- Frost warning lamp</li> </ul> </li> </ul>

- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR XK 8 Coupe - XK 8 4.2 R 32V Coupe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> </ul> </li> </ul>

Engine control  
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- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)

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Anti-block system  
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- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Brake pedal travel
  - Number of permanent faults
  - Wheel speed rear left
  - Wheel speed rear right
  - Power supply sensors: Status
  - Lateral acceleration raw value
  - Yaw rate sensor value
  - Brake booster, solenoid valve, switching fault
  - Brake fluid level switch
  - Brake force booster – magnetic valve
  - Control unit operating status
  - Brake booster switch normally closed
  - Brake booster switch normally open
- **Actuators**
  - pump motor in the hydraulic modulator

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**

<p>Anti-block system ESP W9.0</p>	<ul style="list-style-type: none"> <li>- rotation angle sensor</li> <li>- Lateral acceleration sensor</li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Pressure sensor</li> </ul>
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Front left seat cushion airbag</li> <li>- Front right seat cushion airbag</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> </ul> </li> </ul>
<p>Airbag Airbag AB X4.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driving speed adjustment lamp</li> <li>- Accelerator pedal position</li> </ul> </li> </ul>

Instrument cluster  
Instrument cluster 4.0

- Power supply
- control unit temperature
- Indicators switch, position "to the left"
- Indicators switch, position "to the right"
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Kilometer reading
- Brakes linings wearing
- Number of actual errors
- External temperature display
- Generator lamp
- Seat belt control light
- ABS control light
- ASR/ESP control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp

- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air consumption meter (Bank 1)
  - Air consumption meter (Bank 2)
  - Vehicle driving speed
  - Cooling fan speed
  - Engine oil pressure
  - throttle valve position
  - Contact switch
  - Coolant temperature
  - Air mass meter voltage
  - Battery voltage
  - fan for blowing radiator control
  - Knock sensor 1
  - Knock sensor 2
  - kick-down switch
  - Engine revolution
  - engine loading
  - switch, brakes
  - atmospheric pressure
  - Passenger compartment temperature
  - intake air mass
  - Control unit power supply
  - Lights switch 2
  - valve, exhausted gases recirculation
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - electric fuel pump
  - control revolutions idle
  - Oxygen sensor 1, bank 1
  - Oxygen sensor 1, bank 2
  - Knock sensor 4
  - Knock sensor 3
  - engine oil temperature
  - Max speed limitation
  - Coolant temperature sensor
  - Fuel pressure, rail
  - Rail pressure sensor
  - Engine oil level
  - Camshaft control (bank 1)
  - Camshaft control (bank 2)
  - Electronic control unit supply voltage
  - Oxygen sensor voltage (bank 1-sensor 2)
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Oxygen sensor bank 1, sensor 1)
  - Oxygen sensor bank 2, sensor 1)
  - Air pressure sensor
  - Oxygen sensor voltage (bank 2-sensor 2)
  - Oxygen sensor heater (bank 2, sensor 1)
  - Kilometer reading
  - Fuel fill level signal
  - Clutch pedal switch
  - intake manifold pressure sensor
  - Charging-air pressure sensor
  - Engine speed set value in idle running
  - Lambda target value
  - Cruise control, control light
  - External air temperature
  - Accelerator pedal, position D
  - Accelerator pedal, position E
  - Engine management system error lights
  - Lambda actual value (Bank 1)
  - Lambda actual value (Bank 2)
  - harmful for catalytic converter lack of combustion



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Engine control  
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- cylinder 1
- harmful for catalytic converter lack of combustion
- cylinder 2
- harmful for catalytic converter lack of combustion
- cylinder 3
- harmful for catalytic converter lack of combustion
- cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal

					<ul style="list-style-type: none"> <li>- Distance from clear of errors</li> <li>- Fuel high-pressure sensor voltage</li> <li>- Intake air, temperature 1</li> <li>- Time since engine running</li> <li>- Air suspension compressor</li> <li>- Cruise control/ACC, button Reset</li> <li>- Engine oil temperature sensor</li> <li>- Electronics box, fan</li> <li>- EVAP flushing valve</li> <li>- Starting relay feedback signal</li> <li>- VVT inlet valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 1</li> </ul>
				Anti-block system ESP W9.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Brake pressure sensor zero pos. calibration</li> <li>- Lateral acceleration sensor zero position adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- rotation angle sensor</li> <li>- Lateral acceleration sensor</li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Pressure sensor</li> </ul> </li> </ul>
				Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>

JAGUAR XK 8 Coupe - XK 8 4.0 32V Coupe						
Year	Engine	Liters	HP	System	Functions	
1996/03 - 2002/09	CE,CC,NC,NB	4.0	284	Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> <li>- Resistance pretensioner front passenger side</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- FS front side airbag resistance</li> <li>- BFS front side airbag resistance</li> </ul> </li> </ul>	

JAGUAR XK 8 Coupe - XK 8 4.0 R 32V Coupe						
Year	Engine	Liters	HP	System	Functions	
1998/03 - 2002/09	EC	4.0	363 - 375	Airbag Airbag AB X4.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Number of actual errors</li> <li>- Resistance pretensioner driver side</li> </ul> </li> </ul>	

- Resistance pretensioner front passenger side
- Resistance ZK1 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- FS front side airbag resistance
- BFS front side airbag resistance

**JAGUAR XK Convertible - XK 4.2 R 32V Convertible**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Oxygen sensor bank 2, sensor 1)</li> <li>- Air pressure sensor</li> <li>- Oxygen sensor voltage (bank 2-sensor 2)</li> <li>- Oxygen sensor heater (bank 2, sensor 1)</li> <li>- Kilometer reading</li> <li>- Fuel fill level signal</li> <li>- Clutch pedal switch</li> <li>- intake manifold pressure sensor</li> <li>- Charging-air pressure sensor</li> <li>- Engine speed set value in idle running</li> <li>- Lambda target value</li> <li>- Cruise control, control light</li> <li>- External air temperature</li> <li>- Accelerator pedal, position D</li> </ul> </li> </ul>
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Engine control  
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- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)

	<ul style="list-style-type: none"> <li>- Status High pressure pump</li> <li>- Intake air temperature 2</li> <li>- Coolant temperature 2</li> <li>- Secondary air pressure sensor voltage</li> <li>- Status Wake-Up Signal</li> <li>- Distance from clear of errors</li> <li>- Fuel high-pressure sensor voltage</li> <li>- Intake air, temperature 1</li> <li>- Time since engine running</li> <li>- Air suspension compressor</li> <li>- Cruise control/ACC, button Reset</li> <li>- Engine oil temperature sensor</li> <li>- Electronics box, fan</li> <li>- EVAP flushing valve</li> <li>- Starting relay feedback signal</li> <li>- VVT inlet valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 1</li> </ul>
<p>Anti-block system ESP W9.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Brake pressure sensor zero pos. calibration</li> <li>- Lateral acceleration sensor zero position adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- rotation angle sensor</li> <li>- Lateral acceleration sensor</li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Pressure sensor</li> </ul> </li> </ul>
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- System operating time</li> <li>- Number of faults after system test</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> </ul> </li> </ul>

- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

**JAGUAR XK Convertible - XK 3.5 Convertible AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> <li>- Oxygen sensor bank 1, sensor 1)</li> <li>- Oxygen sensor bank 2, sensor 1)</li> <li>- Air pressure sensor</li> <li>- Oxygen sensor voltage (bank 2-sensor 2)</li> <li>- Oxygen sensor heater (bank 2, sensor 1)</li> <li>- Kilometer reading</li> <li>- Fuel fill level signal</li> <li>- Clutch pedal switch</li> <li>- intake manifold pressure sensor</li> <li>- Charging-air pressure sensor</li> <li>- Engine speed set value in idle running</li> <li>- Lambda target value</li> <li>- Cruise control, control light</li> <li>- External air temperature</li> </ul> </li> </ul>

Engine control  
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- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)

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- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information



- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch
  - Fog light switch
  - Transmission oil temperature warning lamp
  - Rear fog lights switch
  - Input signal/rear fog light
  - Operating time
  - Steering column status
  - Parking brake, warning light
  - Red indicator lamp
  - Windshield intermittent wipe switch
  - Steering column adjustment, end position, Rear
  - Steering column adjustment, end position, Front
  - Steering column adjustment, end position, Bottom
  - Steering column adjustment, end position, Top
  - Frost warning lamp
  - Light switch position
  - Driver side, front belt sensor fault status
  - Red transmission warning lamp
  - Vehicle speed display
  - Steering column horizontal position
  - Steering column vertical position
  - Control light airbag
  - Main beam input signal
  - Headlight level control, control lamp
  - Steering column longitudinal position sensor

- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR XK Convertible - XK 5.0 R Convertible**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> </ul> </li> </ul>

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Engine control  
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- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)

	<ul style="list-style-type: none"> <li>- Control unit temperature sensor voltage</li> <li>- Rail temperature</li> <li>- Rail temperature sensor voltage</li> <li>- Exhaust gas recirculation set value</li> <li>- Fuel pump monitoring</li> <li>- Temp. sensor downstream of charge air cooler: signal voltage</li> <li>- Switching valve, intake manifold, status</li> <li>- A/C pressure sensor high-pressure circuit</li> <li>- Motor relay signal</li> <li>- Time from engine OFF</li> <li>- Fuel shutoff</li> <li>- Charge air temperature sensor</li> <li>- Oxygen sensor voltage (bank 1-sensor 3)</li> <li>- Oxygen sensor voltage (bank 2, sensor 3)</li> <li>- Status High pressure pump</li> <li>- Intake air temperature 2</li> <li>- Coolant temperature 2</li> <li>- Secondary air pressure sensor voltage</li> <li>- Status Wake-Up Signal</li> <li>- Distance from clear of errors</li> <li>- Fuel high-pressure sensor voltage</li> <li>- Intake air, temperature 1</li> <li>- Time since engine running</li> <li>- Air suspension compressor</li> <li>- Cruise control/ACC, button Reset</li> <li>- Engine oil temperature sensor</li> <li>- Electronics box, fan</li> <li>- EVAP flushing valve</li> <li>- Starting relay feedback signal</li> <li>- VVT inlet valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 2</li> <li>- VVT exhaust valve actual timing, bank 1</li> </ul>
<p>Anti-block system ESP W9.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Brake pressure sensor zero pos. calibration</li> <li>- Lateral acceleration sensor zero position adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- rotation angle sensor</li> <li>- Lateral acceleration sensor</li> <li>- Brake pedal switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Pressure sensor</li> </ul> </li> </ul>
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Collision signal</li> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Right curtain/side airbag</li> <li>- Left curtain/side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> </ul> </li> </ul>

- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

**JAGUAR XK Convertible - XK 5.0 Convertible**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> <li>- Knock sensor 3</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Coolant temperature sensor</li> <li>- Fuel pressure, rail</li> <li>- Rail pressure sensor</li> <li>- Engine oil level</li> <li>- Camshaft control (bank 1)</li> <li>- Camshaft control (bank 2)</li> <li>- Electronic control unit supply voltage</li> <li>- Oxygen sensor voltage (bank 1-sensor 2)</li> <li>- Acceleration pedal position sensor 1</li> <li>- Acceleration pedal position sensor 2</li> </ul> </li> </ul>

Engine control  
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- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)

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- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front

- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Multi-function display button
  - Liquid crystal display (LCD) brightness
  - Fog lamp input signal
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Distance warning display
  - Glow control light
  - Vehicle speed warning light
  - Ambient light sensor
  - Wiper switch
  - Fog light switch
  - Transmission oil temperature warning lamp
  - Rear fog lights switch
  - Input signal/rear fog light
  - Operating time
  - Steering column status
  - Parking brake, warning light
  - Red indicator lamp
  - Windshield intermittent wipe switch
  - Steering column adjustment, end position, Rear



- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR XK Convertible - XK 5.0 R-S Convertible**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> <li>- Camshaft 1 timing valve</li> <li>- Camshaft 2 timing valve</li> <li>- electric fuel pump</li> <li>- control revolutions idle</li> <li>- Oxygen sensor 1, bank 1</li> <li>- Oxygen sensor 1, bank 2</li> <li>- Knock sensor 4</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature

- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rare right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**

Airbag  
Airbag AB 4.0

- Power supply
- Collision signal
- Electronic control unit supply voltage
- Kilometer reading
- Voltage belt lock driver's side
- Voltage belt lock front passenger's side
- Front left door status
- Front right door status
- Rear left door status
- Rear right door status
- Switch for passenger-side airbag
- Right curtain/side airbag
- Left curtain/side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

**JAGUAR XK Convertible - XK 4.2 32V Convertible**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion  
cylinder 1
- harmful for catalytic converter lack of combustion  
cylinder 2
- harmful for catalytic converter lack of combustion  
cylinder 3
- harmful for catalytic converter lack of combustion  
cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for  
failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time

2006/03  
-  
2009/02

5G

4.2

298

- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

- **Identification**
- **Clear errors**
- **Error memory**

Airbag  
Airbag AB 4.0

- **Current values**
- Power supply
- Collision signal
- Electronic control unit supply voltage
- Kilometer reading
- Voltage belt lock driver's side
- Voltage belt lock front passenger's side
- Front left door status
- Front right door status
- Rear left door status
- Rear right door status
- Switch for passenger-side airbag
- Right curtain/side airbag
- Left curtain/side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- System operating time
- Number of faults after system test
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Front left seat cushion airbag
- Front right seat cushion airbag
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor

**JAGUAR XK Coupe - XK 3.5 Coupe**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> <li>- Battery voltage</li> <li>- fan for blowing radiator control</li> <li>- Knock sensor 1</li> <li>- Knock sensor 2</li> <li>- kick-down switch</li> <li>- Engine revolution</li> <li>- engine loading</li> <li>- switch, brakes</li> <li>- atmospheric pressure</li> <li>- Passenger compartment temperature</li> <li>- intake air mass</li> <li>- Control unit power supply</li> <li>- Lights switch 2</li> <li>- valve, exhausted gases recirculation</li> </ul>
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Engine control  
PanPag 1.0

- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time



2007/07  
-  
2009/02

AJ-V8

3.5

258

- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

- **Identification**
- **Clear errors**
- **Error memory**

Airbag  
Airbag AB 4.0

- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Front left seat cushion airbag
  - Front right seat cushion airbag
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Alarm LED
  - Oil pressure control lamp
  - Windshield washing switch
  - Switch position for windscreen wiper
  - Fuel level signal 1
  - Fuel level signal 2

Instrument cluster  
Instrument cluster 4.0

- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

**JAGUAR**

**XK Coupe - XK 5.0 Coupe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> <li>- Vehicle driving speed</li> <li>- Cooling fan speed</li> <li>- Engine oil pressure</li> <li>- throttle valve position</li> <li>- Contact switch</li> <li>- Coolant temperature</li> <li>- Air mass meter voltage</li> </ul> </li> </ul>

Engine control  
PanPag 1.0

- Battery voltage
- fan for blowing radiator control
- Knock sensor 1
- Knock sensor 2
- kick-down switch
- Engine revolution
- engine loading
- switch, brakes
- atmospheric pressure
- Passenger compartment temperature
- intake air mass
- Control unit power supply
- Lights switch 2
- valve, exhausted gases recirculation
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +

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- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Brake pressure sensor zero pos. calibration
- Lateral acceleration sensor zero position adjustment

Anti-block system  
ESP W9.0

- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Front left seat cushion airbag
  - Front right seat cushion airbag
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Driving speed adjustment lamp
  - Accelerator pedal position
  - Power supply
  - control unit temperature
  - Indicators switch, position "to the left"
  - Indicators switch, position "to the right"
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Kilometer reading
  - Brakes linings wearing
  - Number of actual errors
  - External temperature display
  - Generator lamp

Instrument cluster  
Instrument cluster 4.0

- Seat belt control light
- ABS control light
- ASR/ESP control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Alarm LED
- Oil pressure control lamp
- Windshield washing switch
- Switch position for windscreen wiper
- Fuel level signal 1
- Fuel level signal 2
- Multi-function display button
- Liquid crystal display (LCD) brightness
- Fog lamp input signal
- Driver side front belt sensor
- Passenger side front belt sensor
- Distance warning display
- Glow control light
- Vehicle speed warning light
- Ambient light sensor
- Wiper switch
- Fog light switch
- Transmission oil temperature warning lamp
- Rear fog lights switch
- Input signal/rear fog light
- Operating time
- Steering column status
- Parking brake, warning light
- Red indicator lamp
- Windshield intermittent wipe switch
- Steering column adjustment, end position, Rear
- Steering column adjustment, end position, Front
- Steering column adjustment, end position, Bottom
- Steering column adjustment, end position, Top
- Frost warning lamp
- Light switch position
- Driver side, front belt sensor fault status
- Red transmission warning lamp
- Vehicle speed display
- Steering column horizontal position
- Steering column vertical position
- Control light airbag
- Main beam input signal
- Headlight level control, control lamp
- Steering column longitudinal position sensor
- Steering column height position sensor
- Brake fluid level sensor signal
- Tire pressure monitor indicator lamp
- Active suspension, control light
- Engine oil pressure status
- Current coolant level
- Volume control knob
- Tachometer display value
- Exterior lighting run-on switch position
- Brake pad wear indicator Orange
- Brake pad wear indicator Red
- Steering column longitudinal position solenoid switch
- Steering column height solenoid switch
- Info lamp
- Passenger side, front belt sensor fault status
- Left ambient light sensor
- Right ambient light sensor
- Steering column adjustment motor Up/To rear
- Steering column adjustment motor Down/To front

JAGUAR					XK Coupe - XK 5.0 R Coupe	
Year	Engine	Liters	HP	System	Functions	

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air consumption meter (Bank 1)
  - Air consumption meter (Bank 2)
  - Vehicle driving speed
  - Cooling fan speed
  - Engine oil pressure
  - throttle valve position
  - Contact switch
  - Coolant temperature
  - Air mass meter voltage
  - Battery voltage
  - fan for blowing radiator control
  - Knock sensor 1
  - Knock sensor 2
  - kick-down switch
  - Engine revolution
  - engine loading
  - switch, brakes
  - atmospheric pressure
  - Passenger compartment temperature
  - intake air mass
  - Control unit power supply
  - Lights switch 2
  - valve, exhausted gases recirculation
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - electric fuel pump
  - control revolutions idle
  - Oxygen sensor 1, bank 1
  - Oxygen sensor 1, bank 2
  - Knock sensor 4
  - Knock sensor 3
  - engine oil temperature
  - Max speed limitation
  - Coolant temperature sensor
  - Fuel pressure, rail
  - Rail pressure sensor
  - Engine oil level
  - Camshaft control (bank 1)
  - Camshaft control (bank 2)
  - Electronic control unit supply voltage
  - Oxygen sensor voltage (bank 1-sensor 2)
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Oxygen sensor bank 1, sensor 1)
  - Oxygen sensor bank 2, sensor 1)
  - Air pressure sensor
  - Oxygen sensor voltage (bank 2-sensor 2)
  - Oxygen sensor heater (bank 2, sensor 1)
  - Kilometer reading
  - Fuel fill level signal
  - Clutch pedal switch
  - intake manifold pressure sensor
  - Charging-air pressure sensor
  - Engine speed set value in idle running
  - Lambda target value
  - Cruise control, control light
  - External air temperature
  - Accelerator pedal, position D
  - Accelerator pedal, position E
  - Engine management system error lights
  - Lambda actual value (Bank 1)
  - Lambda actual value (Bank 2)
  - harmful for catalytic converter lack of combustion cylinder 1
  - harmful for catalytic converter lack of combustion cylinder 2
  - harmful for catalytic converter lack of combustion cylinder 3
  - harmful for catalytic converter lack of combustion



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Engine control  
PanPag 1.0

- cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset

- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Front left seat cushion airbag
  - Front right seat cushion airbag
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air consumption meter (Bank 1)

- Air consumption meter (Bank 2)
- Vehicle driving speed
- Cooling fan speed
- Engine oil pressure
- throttle valve position
- Contact switch
- Coolant temperature
- Air mass meter voltage
- Battery voltage
- fan for blowing radiator control
- Knock sensor 1
- Knock sensor 2
- kick-down switch
- Engine revolution
- engine loading
- switch, brakes
- atmospheric pressure
- Passenger compartment temperature
- intake air mass
- Control unit power supply
- Lights switch 2
- valve, exhausted gases recirculation
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion  
cylinder 1
- harmful for catalytic converter lack of combustion  
cylinder 2
- harmful for catalytic converter lack of combustion  
cylinder 3
- harmful for catalytic converter lack of combustion  
cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8

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- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2

Anti-block system  
ESP W9.0

- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1
- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Front left seat cushion airbag
  - Front right seat cushion airbag
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor

**JAGUAR XK Coupe - XK 5.0 R-S Coupe**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air consumption meter (Bank 1)</li> <li>- Air consumption meter (Bank 2)</li> </ul> </li> </ul>
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Engine control  
PanPag 1.0

- Vehicle driving speed
- Cooling fan speed
- Engine oil pressure
- throttle valve position
- Contact switch
- Coolant temperature
- Air mass meter voltage
- Battery voltage
- fan for blowing radiator control
- Knock sensor 1
- Knock sensor 2
- kick-down switch
- Engine revolution
- engine loading
- switch, brakes
- atmospheric pressure
- Passenger compartment temperature
- intake air mass
- Control unit power supply
- Lights switch 2
- valve, exhausted gases recirculation
- Camshaft 1 timing valve
- Camshaft 2 timing valve
- electric fuel pump
- control revolutions idle
- Oxygen sensor 1, bank 1
- Oxygen sensor 1, bank 2
- Knock sensor 4
- Knock sensor 3
- engine oil temperature
- Max speed limitation
- Coolant temperature sensor
- Fuel pressure, rail
- Rail pressure sensor
- Engine oil level
- Camshaft control (bank 1)
- Camshaft control (bank 2)
- Electronic control unit supply voltage
- Oxygen sensor voltage (bank 1-sensor 2)
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Oxygen sensor bank 1, sensor 1)
- Oxygen sensor bank 2, sensor 1)
- Air pressure sensor
- Oxygen sensor voltage (bank 2-sensor 2)
- Oxygen sensor heater (bank 2, sensor 1)
- Kilometer reading
- Fuel fill level signal
- Clutch pedal switch
- intake manifold pressure sensor
- Charging-air pressure sensor
- Engine speed set value in idle running
- Lambda target value
- Cruise control, control light
- External air temperature
- Accelerator pedal, position D
- Accelerator pedal, position E
- Engine management system error lights
- Lambda actual value (Bank 1)
- Lambda actual value (Bank 2)
- harmful for catalytic converter lack of combustion cylinder 1
- harmful for catalytic converter lack of combustion cylinder 2
- harmful for catalytic converter lack of combustion cylinder 3
- harmful for catalytic converter lack of combustion cylinder 4
- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position

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- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset
- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2

- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP 8.1

- **Identification**
- **Clear errors**
- **Functional tests**
  - Static test
  - ESP test
- **Adjustments / settings**
  - Adaptation, steering wheel angle sensor
- **Special functions**
  - Bleed
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Power supply
  - front left tire speed
  - front right tire speed
  - rare right tire speed
  - rear left tire speed
  - rotation angle sensor
  - pressure sensor
  - Lateral acceleration sensor
  - Driving wheels angle

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Front left seat cushion airbag
  - Front right seat cushion airbag
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor

**JAGUAR XK Coupe - XK 4.2 32V Coupe**

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air consumption meter (Bank 1)
  - Air consumption meter (Bank 2)
  - Vehicle driving speed
  - Cooling fan speed
  - Engine oil pressure
  - throttle valve position
  - Contact switch
  - Coolant temperature
  - Air mass meter voltage
  - Battery voltage
  - fan for blowing radiator control
  - Knock sensor 1
  - Knock sensor 2
  - kick-down switch
  - Engine revolution
  - engine loading
  - switch, brakes
  - atmospheric pressure
  - Passenger compartment temperature
  - intake air mass
  - Control unit power supply
  - Lights switch 2
  - valve, exhausted gases recirculation
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - electric fuel pump
  - control revolutions idle
  - Oxygen sensor 1, bank 1
  - Oxygen sensor 1, bank 2
  - Knock sensor 4
  - Knock sensor 3
  - engine oil temperature
  - Max speed limitation
  - Coolant temperature sensor
  - Fuel pressure, rail
  - Rail pressure sensor
  - Engine oil level
  - Camshaft control (bank 1)
  - Camshaft control (bank 2)
  - Electronic control unit supply voltage
  - Oxygen sensor voltage (bank 1-sensor 2)
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Oxygen sensor bank 1, sensor 1)
  - Oxygen sensor bank 2, sensor 1)
  - Air pressure sensor
  - Oxygen sensor voltage (bank 2-sensor 2)
  - Oxygen sensor heater (bank 2, sensor 1)
  - Kilometer reading
  - Fuel fill level signal
  - Clutch pedal switch
  - intake manifold pressure sensor
  - Charging-air pressure sensor
  - Engine speed set value in idle running
  - Lambda target value
  - Cruise control, control light
  - External air temperature
  - Accelerator pedal, position D
  - Accelerator pedal, position E
  - Engine management system error lights
  - Lambda actual value (Bank 1)
  - Lambda actual value (Bank 2)
  - harmful for catalytic converter lack of combustion cylinder 1
  - harmful for catalytic converter lack of combustion cylinder 2
  - harmful for catalytic converter lack of combustion cylinder 3
  - harmful for catalytic converter lack of combustion

2006/03  
-  
2009/02

5G

4.2

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Engine control  
PanPag 1.0

cylinder 4

- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure

- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage

- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset

- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Front left seat cushion airbag
  - Front right seat cushion airbag
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor

JAGUAR

XK Coupe - XK 4.2 R 32V Coupe

Year

Engine

Liters

HP

System

Functions

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Air consumption meter (Bank 1)
  - Air consumption meter (Bank 2)
  - Vehicle driving speed
  - Cooling fan speed
  - Engine oil pressure
  - throttle valve position
  - Contact switch
  - Coolant temperature
  - Air mass meter voltage
  - Battery voltage
  - fan for blowing radiator control
  - Knock sensor 1
  - Knock sensor 2
  - kick-down switch
  - Engine revolution
  - engine loading
  - switch, brakes
  - atmospheric pressure
  - Passenger compartment temperature
  - intake air mass
  - Control unit power supply
  - Lights switch 2
  - valve, exhausted gases recirculation
  - Camshaft 1 timing valve
  - Camshaft 2 timing valve
  - electric fuel pump
  - control revolutions idle
  - Oxygen sensor 1, bank 1
  - Oxygen sensor 1, bank 2
  - Knock sensor 4
  - Knock sensor 3
  - engine oil temperature
  - Max speed limitation
  - Coolant temperature sensor
  - Fuel pressure, rail
  - Rail pressure sensor
  - Engine oil level
  - Camshaft control (bank 1)
  - Camshaft control (bank 2)
  - Electronic control unit supply voltage
  - Oxygen sensor voltage (bank 1-sensor 2)
  - Acceleration pedal position sensor 1
  - Acceleration pedal position sensor 2
  - Oxygen sensor bank 1, sensor 1)
  - Oxygen sensor bank 2, sensor 1)
  - Air pressure sensor
  - Oxygen sensor voltage (bank 2-sensor 2)
  - Oxygen sensor heater (bank 2, sensor 1)
  - Kilometer reading
  - Fuel fill level signal
  - Clutch pedal switch
  - intake manifold pressure sensor
  - Charging-air pressure sensor
  - Engine speed set value in idle running
  - Lambda target value
  - Cruise control, control light
  - External air temperature
  - Accelerator pedal, position D
  - Accelerator pedal, position E
  - Engine management system error lights
  - Lambda actual value (Bank 1)
  - Lambda actual value (Bank 2)
  - harmful for catalytic converter lack of combustion cylinder 1
  - harmful for catalytic converter lack of combustion cylinder 2
  - harmful for catalytic converter lack of combustion cylinder 3
  - harmful for catalytic converter lack of combustion

2006/03  
-  
2009/02

SV8TS  
(A34)

4.2

416 -  
426

Engine control  
PanPag 1.0

cylinder 4

- Cylinder 5 misfire, harmful for the catalytic converter
- Cylinder 6 misfire, harmful for the catalytic converter
- Harmful for the catalytic converter misfire, cylinder 7
- Harmful for the catalytic converter misfire, cylinder 8
- Throttle valve required position
- Intake manifold pressure sensor voltage
- mileage from the moment of switching on the lamp for failure
- Oxygen sensor heater (bank 1, sensor 1)
- Intake air temperature sensor (bank 1, sensor 1)
- Intake air temperature sensor (bank 2, sensor 1)
- Cruise control/ACC button, speed +
- Cruise control/ACC button, speed -
- Cruise control/ACC button RESUME
- Inlet camshaft timing control (bank 2)
- Inlet camsh. timing control (bank2)
- Exhaust camsh. timing cntrl. (bank1)
- Exhaust camsh. timing cntrl. (bank2)
- Fuel tank leakage diagnostic pump
- Atmospheric pressure voltage sensor
- Passenger compartment temperature sensor
- Status electronic fuel pump
- Fuel pump relay
- Status Diagnosis
- ACC deactivation button
- Operating time
- Sportronic switch upshift
- Sportronic switch downshift
- Starter relay monitoring
- Radiator fan speed actual value
- Fuel low-pressure sensor
- A/C compressor status
- Interior temperature
- Air mass meter 1: Air mass
- Air mass meter 2: Air mass
- A/C compressor torque request
- CAT temperature (B1,S2)
- CAT temperature (B1,S1)
- Secondary air pressure sensor
- Boost pressure sensor signal voltage
- Coolant temperature sensor 1
- Coolant temperature sensor 2
- Number of faults after system test
- VVT inlet valve actual timing, bank 1
- Catalytic converter temperature (bank 2, sensor 1)
- Catalytic converter temperature (bank 2, sensor 2)
- Control unit temperature sensor voltage
- Rail temperature
- Rail temperature sensor voltage
- Exhaust gas recirculation set value
- Fuel pump monitoring
- Temp. sensor downstream of charge air cooler: signal voltage
- Switching valve, intake manifold, status
- A/C pressure sensor high-pressure circuit
- Motor relay signal
- Time from engine OFF
- Fuel shutoff
- Charge air temperature sensor
- Oxygen sensor voltage (bank 1-sensor 3)
- Oxygen sensor voltage (bank 2, sensor 3)
- Status High pressure pump
- Intake air temperature 2
- Coolant temperature 2
- Secondary air pressure sensor voltage
- Status Wake-Up Signal
- Distance from clear of errors
- Fuel high-pressure sensor voltage
- Intake air, temperature 1
- Time since engine running
- Air suspension compressor
- Cruise control/ACC, button Reset

- Engine oil temperature sensor
- Electronics box, fan
- EVAP flushing valve
- Starting relay feedback signal
- VVT inlet valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 2
- VVT exhaust valve actual timing, bank 1

Anti-block system  
ESP W9.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Brake pressure sensor zero pos. calibration
  - Lateral acceleration sensor zero position adjustment
- **Error memory**
- **Current values**
  - rotation angle sensor
  - Lateral acceleration sensor
  - Brake pedal switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Pressure sensor

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Collision signal
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Right curtain/side airbag
  - Left curtain/side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - System operating time
  - Number of faults after system test
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Front left seat cushion airbag
  - Front right seat cushion airbag
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor

[Delta \[844\] - Delta 1.4i 16V](#)

[Delta \[844\] - Delta 1.6 JTD](#)

[Delta \[844\] - Delta 1.9 JTD](#)

[Delta \[844\] - Delta 2.0 MJTD](#)

[Delta \[844\] - Delta 1.8 TBi](#)

[Delta \[844\] - Delta 1.4i LPG](#)

[Musa - Musa 1.4 16V](#)

[Musa - Musa 1.3 MJTD](#)

[Musa - Musa 1.9 JTD](#)

[Musa - Musa 1.4](#)

[Musa - Musa 1.3 MJTD 16V](#)

[Musa - Musa 1.6 JTD](#)

[Musa - Musa 1.4 LPG](#)

[Thesis - Thesis 2.0 Turbo 20V](#)

[Thesis - Thesis 2.4 20V](#)

[Thesis - Thesis 3.0 V6 24V](#)

[Thesis - Thesis 2.4 JTD 10V](#)

[Thesis - Thesis 3.2 V6 24V](#)

[Thesis - Thesis 2.4 JTD 20V](#)

[Ypsilon \[843\] - Ypsilon 1.2 8V](#)

[Ypsilon \[843\] - Ypsilon 1.2 16V](#)

[Ypsilon \[843\] - Ypsilon 1.3 JTD](#)

[Ypsilon \[843\] - Ypsilon 1.4 16V](#)

[Ypsilon \[843\] - Ypsilon 1.4 8V](#)

[Ypsilon \[843\] - Ypsilon 1.3 Multijet](#)

[Ypsilon \[843\] - Ypsilon 1.4 LPG](#)

LANCIA Delta [844] - Delta 1.4i 16V					
Year	Engine	Liters	HP	System	Functions
2008/07 -	198 A 4.000	1.4	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2008/07 - 2010/07	198 A 1.000	1.4	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2010/08 -		1.4	140	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Delta [844] - Delta 1.6 JTD					
Year	Engine	Liters	HP	System	Functions
2008/07 -	198 A 2.000	1.6	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Delta [844] - Delta 1.9 JTD					
Year	Engine	Liters	HP	System	Functions
2008/08 -	844 A 1.000	1.9	190	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Delta [844] - Delta 2.0 MJTD					
Year	Engine	Liters	HP	System	Functions
2008/08 -	198 A 5.000	2.0	165	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Delta [844] - Delta 1.8 TBi					
Year	Engine	Liters	HP	System	Functions
2009/05 -	939B1000	1.8	200	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Delta [844] - Delta 1.4i LPG					
Year	Engine	Liters	HP	System	Functions
2009/12 -	198A4.000	1.4	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Musa - Musa 1.4 16V					
Year	Engine	Liters	HP	System	Functions
2004/10 -	843A1000	1.4	95	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2005/03 -	192B2000	1.4	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Musa - Musa 1.3 MJTD					
Year	Engine	Liters	HP	System	Functions
2004/10 -	188A9000	1.3	70	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration



LANCIA Musa - Musa 1.9 JTD					
Year	Engine	Liters	HP	System	Functions
2004/10 -	188B2000	1.9	100	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Musa - Musa 1.4					
Year	Engine	Liters	HP	System	Functions
2005/03 -	350A1000	1.4	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Musa - Musa 1.3 MJTD 16V					
Year	Engine	Liters	HP	System	Functions
2006/01 -	199A3000	1.3	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2010/02 -	199B1000	1.3	95	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Musa - Musa 1.6 JTD					
Year	Engine	Liters	HP	System	Functions
2007/10 -	350A2000	1.6	120	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2008/09 -	350 A3.000	1.6	115	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Musa - Musa 1.4 LPG					
Year	Engine	Liters	HP	System	Functions
2009/03 -	350A1000	1.4	78	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Thesis - Thesis 2.0 Turbo 20V					
Year	Engine	Liters	HP	System	Functions
2002/04 - 2009/12	841E.000	2.0	185	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Thesis - Thesis 2.4 20V					
Year	Engine	Liters	HP	System	Functions
2002/04 - 2009/12	841D.000	2.4	170	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Thesis - Thesis 3.0 V6 24V					
Year	Engine	Liters	HP	System	Functions
2002/04 - 2003/07	841A.000	3.0	215	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Thesis - Thesis 2.4 JTD 10V					
Year	Engine	Liters	HP	System	Functions
2002/04 - 2005/02	841C.000	2.4	150	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Thesis - Thesis 3.2 V6 24V					
Year	Engine	Liters	HP	System	Functions
2003/08 - 2009/12	841A.000	3.2	230	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Thesis - Thesis 2.4 JTD 20V					
Year	Engine	Liters	HP	System	Functions
2003/06 - 2006/02	841M.000	2.4	163	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2006/03 - 2009/12	841P.000	2.4	185	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Ypsilon [843] - Ypsilon 1.2 8V					
Year	Engine	Liters	HP	System	Functions
2003/06 - 2011/11	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2010/08 - 2011/11	169 A4.000	1.2	69	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Ypsilon [843] - Ypsilon 1.2 16V					
Year	Engine	Liters	HP	System	Functions
2003/06 - 2006/09	188 A5.000	1.2	80	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Ypsilon [843] - Ypsilon 1.3 JTD					
Year	Engine	Liters	HP	System	Functions
2003/06 - 2006/09	188 A9.000	1.3	70	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

LANCIA Ypsilon [843] - Ypsilon 1.4 16V					
Year	Engine	Liters	HP	System	Functions
2003/06 - 2011/11	843 A 1.000	1.4	95	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## LANCIA

## Ypsilon [843] - Ypsilon 1.4 8V

Year	Engine	Liters	HP	System	Functions
2006/10 - 2011/11	350 A1.000	1.4	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## LANCIA

## Ypsilon [843] - Ypsilon 1.3 Multijet

Year	Engine	Liters	HP	System	Functions
2006/10 - 2011/11	199 A3.000	1.3	90	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2006/10 - 2009/12	199 A2.000	1.3	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2009/09 - 2010/11	199 A2.000	1.3	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
2010/08 - 2011/11	199 A9.000	1.3	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

## LANCIA

## Ypsilon [843] - Ypsilon 1.4 LPG

Year	Engine	Liters	HP	System	Functions
2009/03 - 2011/11	350 A1.000	1.4	75	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration

[Discovery IV - Discovery IV 3.0 SDV6 AWD](#)

[Discovery IV - Discovery IV 3.0 TDV6 AWD](#)

[Discovery IV - Discovery IV 2.7 TDV6 AWD](#)

[Discovery IV - Discovery IV 5.0 V8 AWD](#)

[Discovery IV - Discovery IV 4.0 V6 AWD](#)

[Freelander 2 \[LF\] - Freelander 2 SD4 AWD](#)

[Freelander 2 \[LF\] - Freelander 2 eD4](#)

[Freelander 2 \[LF\] - Freelander 2 i6 AWD](#)

[Freelander 2 \[LF\] - Freelander 2 TD4 AWD](#)

[Freelander 2 \[LF\] - Freelander 2 Si4 AWD](#)

[Range Rover Evoque - Range Rover Evoque 2.0 Si4 AWD](#)

[Range Rover Evoque - Range Rover Evoque 2.2 eD4](#)

[Range Rover Evoque - Range Rover Evoque 2.2 TD4 AWD](#)

[Range Rover Evoque - Range Rover Evoque 2.2 SD4 AWD](#)

[Range Rover III - Range Rover III 3.6 TDV8 AWD](#)

[Range Rover III - Range Rover III 4.4 TDV8 AWD](#)

[Range Rover III - Range Rover III 5.0 V8 AWD](#)

[Range Rover III - Range Rover III 5.0 V8 Supercharged AWD](#)

[Range Rover Sport II - Range Rover Sport II 3.0 TDV6 AWD](#)

[Range Rover Sport II - Range Rover Sport II 3.0 SDV6 AWD](#)

[Range Rover Sport II - Range Rover Sport II 5.0 V8 SC AWD](#)

[Range Rover Sport II - Range Rover Sport II 3.6 TDV8 AWD](#)

[Range Rover Sport II - Range Rover Sport II 5.0 V8 NA AWD](#)

Year	Engine	Liters	HP	System	Functions
				Engine control Diesel EDC 17CP11	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Cylinder shutoff</li> <li>- Starting fault information</li> <li>- Idle speed comparison</li> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Empty set calibration for injector change</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Main injection quantity</li> <li>- Intake charge-air temperature</li> <li>- Coolant temperature sensor voltage</li> <li>- Intake air temperature sensor voltage</li> <li>- Fuel temperature</li> <li>- Exh.gases recirc.: pulse-duty factor</li> <li>- Engine revolution</li> <li>- atmospheric pressure</li> <li>- electric fuel pump</li> <li>- throttle valve regulator</li> <li>- Glow timing control</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Rail pressure, nominal</li> <li>- Rail pressure, actual</li> <li>- Turbo pressure, actual value</li> <li>- Engine oil level</li> <li>- Pulse-duty factor, pressure regulation valve</li> <li>- Fuel quantity metering device pulse-duty factor</li> <li>- Air-mass 1</li> <li>- Air mass 2</li> <li>- Kilometer reading</li> <li>- Gas pedal position sensor 1 (V)</li> <li>- Gas pedal position sensor 2(V)</li> <li>- Injection mass (norm)</li> <li>- Ambient temperature</li> <li>- Voltage fuel temperature</li> <li>- Radiator fan 1 control</li> <li>- Distance since last oil change</li> <li>- Calculated gas pedal position</li> <li>- Injection mass (actual value)</li> <li>- No. of successful regen. operations</li> <li>- Turboch.exhaust gas flow switch valve/specified value</li> <li>- Turboch.exhaust gas flow switch valve/actual value</li> <li>- Atmospheric pressure voltage sensor</li> <li>- Voltage rail pressure sensor</li> <li>- Ash content particle filter</li> <li>- Distance since last regeneration</li> <li>- Pre-injection actuation time 1</li> <li>- Exhaust gas temperature before particle filter</li> <li>- Exhaust gas temperature after particle filter</li> <li>- Engine torque, specified value</li> <li>- Pressure control valve regulating current</li> <li>- Preliminary injection fuel quantity 1</li> <li>- Status Particle filter-Regeneration</li> <li>- Voltage exhaust gas difference pressure</li> <li>- Voltage charge air temperature</li> <li>- Camshaft / Crankshaft synchronization</li> <li>- Pressure-regulation valve, triggering current nominal value</li> <li>- Ambient temperature sensor</li> <li>- Main injection actuation time</li> <li>- Fuel high pressure control/quantity control</li> <li>- Rail pressure deviation</li> <li>- Carbon black depletion Particle filter</li> <li>- Fuel suction control valve, control current</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Time from last regeneration</li> <li>- Pressure control valve voltage</li> <li>- Lambda sen.htg.circ.(B1,S1)duty cyc.</li> <li>- EGR positioner 1</li> <li>- EGR positioner 2</li> <li>- Exhaust temp. sensor upstr. DPF (V)</li> <li>- Exhaust gas temperature sensor 1 upstream of OXI CAT</li> <li>- Exhaust gas temperature sensor 2 downstream of OXI CAT</li> <li>- Exhaust gas temperature sensor 2 upstream of OXI CAT</li> <li>- Exhaust gas recirculation 2 position set value</li> <li>- Number of regeneration requests</li> <li>- Charge pressure actuator 1 actual position</li> <li>- Charge pressure actuator 1 specified position</li> <li>- Engine oil dilution factor</li> <li>- Boost pressure sensor 2 voltage</li> <li>- Lambda value after turbocharger</li> <li>- Exhaust gas temperature sensor after the DPF (V)</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Glow timing control</li> <li>- Radiator fan. stage 2</li> <li>- Exhausted gases signal lamp</li> <li>- Throttle valve actuator</li> <li>- Glow control light</li> <li>- Control unit fan</li> <li>- Turbocharger exhaust gas flow switching valve</li> <li>- Turbocharger charge air switching valve</li> <li>- Turbocharger charge air changeover valve</li> </ul> </li> </ul>
<p>All-wheel drive electronics All wheel drive electronics 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit power supply</li> <li>- Distance travelled in mode 1</li> <li>- Distance travelled in mode 2</li> <li>- Distance travelled in mode 3</li> <li>- Distance travelled in mode 4</li> <li>- Distance travelled in mode 5</li> <li>- Number of faults after system test</li> <li>- LED display 1</li> <li>- LED display 2</li> <li>- LED display 3</li> <li>- LED display 4</li> <li>- LED display 5</li> <li>- LED display 6</li> <li>- Mileage in dynamic mode</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Transmission adaptation</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- throttle valve position</li> <li>- Engine revolution</li> <li>- Gear engaged</li> <li>- Control unit power supply</li> <li>- Inserted gear</li> <li>- atmospheric pressure</li> <li>- gear box oil temperature</li> <li>- Power supply sensor</li> <li>- Electronic control unit supply voltage</li> <li>- Lock switch for starter</li> <li>- Cooling agent temperature motor</li> <li>- Shift-Lock Function</li> </ul> </li> </ul>

Gear box control  
6/8 speed automatic transmission HPxx

- mileage from the moment of switching on the lamp for failure

- Load, calculated value
- Actual Engine Torque
- Vehicle average speed
- Transmission oil temperature sensor voltage
- Engine speed actual value
- Electronic control unit power supply
- Steering column switch module
- Gearbox oil temperature
- Averaged vehicle speed
- Mileage since fault memory cleared
- Time since engine start
- Control units reset counter
- Transmission control unit temperature
- Pressure control solenoid valve 6
- Transmission oil temperature sensor voltage
- Number of faults after system test
- Internal control module temperature
- Number of overtemperature faults
- Steering wheel paddle -
- Steering wheel paddle
- Relative accelerator position
- Gear engaged
- Steering wheel paddle +, monitoring
- Steering wheel paddle -, monitoring
- Number of warming-up cycles since erasing of FSP
- Coolant overtemperature frequency
- Gearbox input moment
- Actuator power supply
- Turbine rotation speed
- Pressure-regulation magnetic valve 1
- Pressure-regulation magnetic valve 2
- Pressure-regulation magnetic valve 3
- Pressure control solenoid valve 4
- Pressure-regulation magnetic valve 5
- Gearbox output shaft speed
- Transmission output shaft speed 2
- Transmission output shaft Speed
- Engine speed limit
- Engine oil temperature sensor
- Shift lock solenoid valve
- Control unit overtemperature counter
- No. of oil overtemperature forced shut-offs
- Park/Neutral output signal
- Clutch A charging pressure
- Clutch B charging pressure
- Clutch C charging pressure
- Clutch D charging pressure
- Clutch E charging pressure
- Charging time - Clutch A
- Charging time - Clutch B
- Charging time - Clutch C
- Charging time - Clutch D
- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A
- Charging pressure counter - Clutch B
- Charging pressure counter - Clutch C
- Charging pressure counter - Clutch D
- Charging pressure counter - Clutch E

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- Electronic control unit supply voltage
- Kilometer reading
- Voltage belt lock driver's side

Airbag  
Airbag AB 4.0

- Voltage belt lock front passenger's side
- Resistance side airbag driver's side
- Resistance side airbag front passenger's side
- Front left door status
- Front right door status
- Rear left door status
- Rear right door status
- Switch for passenger-side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Knee bag driver side front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- Power supply open circuit
- Driver side front seat position sensor: Current value
- Passenger side front seat position sensor: Current value
- System operating time
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor
- Front left head airbag
- Front right head airbag
- Rear left head airbag
- Rear right head airbag
- Rollover detection 1
- Rollover detection 2

Central module comfort  
Access/start authorization 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Power supply
  - Kilometer reading
  - Key 1
  - Key 2
  - Key 3
  - Key 4
  - Key 5
  - Number of actual errors
  - Switch 6
  - Switch 7
  - Switch 8

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts
  - Drain pressure accumulator
  - Activate air suspension
- **Error memory**
- **Current values**
  - Longitudinal acceleration sensor
  - Vehicle driving speed
  - Car level (horizontality) sensor output: rear left



Underbody/Steering  
Air suspension 4.0

- Car level (horizontality) sensor output: rear right
- Car level (horizontality) sensor output: front left
- Engine revolution
- Control unit power supply
- atmospheric pressure
- Lateral acceleration sensor
- Driving wheels angle
- Battery voltage activation
- Ambient temperature
- Ignition/starter switch voltage
- Status Diagnosis
- Ignition status
- air tank pressure
- Pump motor temperature
- Front left air spring valve
- Front right air spring valve
- Rear left air spring valve
- Rear right air spring valve
- Front left vehicle level sensor: Offset
- Front right vehicle level sensor: Offset
- Rear left vehicle level sensor: Offset
- Rear right vehicle level sensor: Offset
- Power supply vehicle level sensor, front left
- Power supply vehicle level sensor, front right
- Power supply vehicle level sensor, rear left
- Power supply vehicle level sensor, rear right
- Control unit current input
- Vehicle level button: Raise
- Vehicle level button: Lower
- Air suspension compressor relay
- Air suspension operating mode
- Current input of LEDs
- System control mode
- Supply voltage status
- Normal LED
- Lift LED
- Lower LED
- Front left air spring valve current
- Front right air spring valve current
- Rear left air spring valve current
- Rear right air spring valve current
- Pressure accumulator valve current
- Off-road LED
- Air suspension switch
- Entry mode LED
- Outlet valve current
- Front cross link valve
- Rear cross link valve
- Front cross link valve current
- Rear cross link valve current
- Terrain mode
- Outlet valve
- Door contact status
- Cut-out signal status
- Reveille
- Pump temperature sensor
- Steering column locking switch 1
- Pressure sensor power supply
- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode

				<ul style="list-style-type: none"> <li>- Vehicle level button: Down, long press</li> <li>- Vehicle level button: Up, long press</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Air suspension compressor relay</li> <li>- Pressure accumulator valve</li> <li>- Front left air spring valve</li> <li>- Front right air spring valve</li> <li>- Rear left air spring valve</li> <li>- Rear right air spring valve</li> <li>- Front cross link valve</li> <li>- Rear cross link valve</li> <li>- Outlet valve</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Air flap control motors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air conditioner electromagnetic clutch - compressor</li> <li>- Air conditioner compressor</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Vaporization temperature sensor</li> <li>- Electronic control unit supply voltage</li> <li>- Air conditioner system pressure</li> <li>- Engine control unit power supply</li> <li>- Heat exchanger temperature sensor, left</li> <li>- Heat exchanger temperature sensor, right</li> <li>- Ambient temperature</li> <li>- Odometer</li> <li>- Rear air conditioner request</li> <li>- Salon temperature sensor</li> <li>- Status of park heater</li> <li>- Current position air mix flap left</li> <li>- Current position air mix flap right</li> <li>- Relative humidity</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Sensor supply voltage</li> <li>- Front blower motor</li> <li>- Washer jet heating actuation</li> <li>- Air circulation flaps key button</li> <li>- Fresh air fan control</li> <li>- Current position fresh air / ventilation flap</li> <li>- Rear air mix flap actual position</li> <li>- Glow plug</li> <li>- Overheating sensor temperature</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Rear blower voltage actual value</li> <li>- Auxiliary heating: Combustion blower</li> <li>- Auxiliary coolant pump valve status</li> <li>- Number of faults after system test</li> <li>- Automatic A/C button</li> <li>- Maximum defrost button</li> <li>- Front left seat heating button LED Stage 1</li> <li>- Front left seat heating button LED Stage 2</li> <li>- Front right seat heating button LED Stage 1</li> <li>- Front right seat heating button LED Stage 2</li> <li>- Auxiliary water pump</li> <li>- Overheating sensor</li> <li>- LED button AC</li> <li>- Upward air distribution button LED</li> <li>- Downward air distribut. button LED</li> <li>- Center air distribution button LED</li> <li>- Sun sensor left</li> <li>- Sun sensor right</li> <li>- Fuel preheating status</li> <li>- Seat heating, left, button</li> <li>- Seat heating, right, button</li> <li>- Indicator lamp/mode switch Power</li> </ul> </li> </ul>
2009/09	306DT	3.0	245 - 272	<p>Heating / Air conditioner Automatic A/C 4.0</p>	

	<ul style="list-style-type: none"> <li>- AUTO button LED</li> <li>- Set left heated seat temperature</li> <li>- Set right heated seat temperature</li> <li>- Economy mode, switch</li> <li>- Rear blower, request</li> <li>- LED rear window heating button</li> <li>- Combustion air blower</li> <li>- Flame detection</li> <li>- Blower motor rear</li> <li>- Air distribution Footwell/center</li> <li>- Air distribution Defrost/footwell</li> <li>- Heated windshield indicator lamp</li> <li>- Supplem./auxiliary heater fuel pump</li> <li>- Rear temperature preselection</li> <li>- Heated windshield button</li> <li>- Defrost/footwell air distributor button</li> <li>- Evaporator temperature sensor rear</li> <li>- Fresh/recirculated-air button LED</li> <li>- Rear air distributor flap</li> <li>- Auxiliary / supplementary heater power supply</li> <li>- Left sunlight penetration photo-sensor</li> <li>- Right sunlight penetration photo-sensor</li> <li>- Rear A/C control Auto button</li> <li>- MAX button AC</li> <li>- LED button maximum cooling capacity</li> <li>- Rear blower motor specified speed</li> <li>- External carbon dioxide (CO2) sensor</li> <li>- External nitrogen oxides (NOx) sensor</li> <li>- Automatic blower control LED</li> </ul>
<p>Electrical energy management Battery management 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Electronic control unit supply voltage</li> <li>- Alternator, current</li> <li>- Generator charge signal</li> <li>- Battery age</li> <li>- Calculated battery temperature</li> <li>- Battery relay</li> <li>- Battery charge/discharge current</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Battery management: Estimated charge</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Collision signal</li> <li>- Control unit, internal relay</li> <li>- Top contact switch</li> <li>- Trailer detection</li> <li>- Stop light, left</li> <li>- Stop light, right</li> <li>- Electronic control unit supply voltage</li> <li>- Brake pedal switch</li> <li>- Light switch</li> <li>- Short lights, left</li> <li>- Short lights, right</li> <li>- Long lights, left</li> <li>- Long lights, right</li> <li>- Rear window wiper switch</li> <li>- Switch Parking / Neutral</li> <li>- Brakes linings wearing</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Rear deck unlocking
- Oil pressure switch
- External air temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Spare wheel sensor code
- Auxiliary lighting switch
- Relay for additional lamps
- Stand light relay
- Alarm LED
- Interior light switch
- Rear window washer system switch
- Alternator, current
- Emergency lights switch
- Trailer brake lights
- Trailer rear fog lights
- Interior lighting
- Sunroof position
- End position, rear wiper
- Fuel level signal 1
- Fuel level signal 2
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Sun roof motor 2
- Sun roof motor 1
- Electric fuel pump request
- Engine operation relay
- Start button status
- Engine start request
- Sun roof switch (to front)
- Sun roof switch (to rear)
- Fog lamp output signal
- Rear window wiper relay
- Windscreen heating relay
- Rear window defroster relay
- Windscreen wiper relay
- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start

- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time
- TRIP button
- Rear right, tire pressure sensor fault status
- Rear left tire pressure sensor fault status
- Front right, tire pressure sensor fault status
- Front left, tire pressure sensor fault status
- Battery charge/discharge current
- Rear right antenna
- Rear left antenna
- Front right antenna
- Front left antenna
- Coolant level switch
- Interior central locking button Lock
- Internal central locking button Unlock
- Rear lid contact switch 1
- Rear lid contact switch 2
- Battery type
- Average battery discharge (sleep)
- Smoothed battery charge with ignition ON
- Smoothed battery discharge with ignition OFF

	<ul style="list-style-type: none"> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- Red warning lamp</li> <li>- Yellow warning lamp</li> <li>- Oil pressure control lamp</li> <li>- HDC indicator lamp</li> <li>- Glow control light</li> <li>- Ambient light sensor</li> <li>- Electronic control unit power supply</li> <li>- Parking brake, warning light</li> <li>- Yellow brake indicator lamp</li> <li>- Red brake indicator lamp</li> <li>- Control light airbag</li> </ul> </li> </ul>

- Headlight level control, control lamp
- Adaptive cruise control, control light
- Automatic headlights indicator lamp
- Tire pressure monitor indicator lamp
- Side lights, control light
- **Actuators**
  - Instrument cluster indication lamps

Parking assisting system  
Park Distance Control 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Electronic control unit supply voltage
  - Engine operation detected
  - Engine control unit power supply
  - Odometer
  - Park distance control system key
  - Distance left rear
  - Distance left centre rear
  - Distance right centre rear
  - Distance right rear
  - Distance, left front, outside
  - Distance, left front, inside
  - Distance, right front, inside
  - Distance, right front, outside
  - Distance sensor parking assistant front right
  - Distance sensor parking assistant front left
  - Engine start request
  - Status Diagnosis
  - Operating time
  - Interior temperature
  - Parking aid: system status
  - Parking aid: distance sensor, front left
  - Parking aid: distance sensor, front right
  - Parking aid: Rear left distance sensor decay time
  - Parking aid: Rear left center distance sensor decay time
  - Parking aid: Rear right center distance sensor decay time
  - Parking aid: Rear right distance sensor decay time
  - Parking aid: front left distance sensor decay time
  - Parking aid: front left center distance sensor decay time
  - Parking aid: front right center distance sensor decay time
  - Parking aid: front right distance sensor decay time
  - Muting by parking aid
  - Front right center distance sensor
  - Distance sensor, rear right center
  - Distance sensor, right rear
  - Distance sensor, left rear
  - Distance sensor, rear left center
  - Front left distance sensor
  - Front left center distance sensor
  - Front right distance sensor
  - Parking aid indicator lamp
  - Parking aid deactivation speed
  - Number of faults after system test
  - Parking aid error status
  - Parking aid: Front distance sensor configuration
  - Parking aid: Trailer detection
  - Parking aid: Reverse gear engaged
  - Parking assistant indicator lamp
  - Parking assistant button
  - Rear distance sensor status
  - Front parking aid beep volume
  - Rear parking aid beep volume
  - Front right distance
  - Front left distance
  - Parking aid: Distance sensors

- **Actuators**
- Park distance control gong
- Park distance control switch LED
- Parking aid: Rear distance sensors
- Distance sensors

All-wheel drive electronics  
Transfer case 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
- Vehicle driving speed
- Engine revolution
- Electronic control unit supply voltage
- Control unit, Voltage sensor 1
- Control unit, Voltage sensor 2
- Transmission mode
- Manual transm.: Gear stick position
- Slip speed
- Transfer case solenoid valve
- Voltage servo motor (M+)
- Voltage servo motor (M-)
- Servo motor speed
- Status Diagnosis
- Motor current
- Error frequency counter
- Ignition starter switch status
- Overtemperature protection
- Specified clutch torque
- 4WD HIGH position switch
- Actual motor position angle
- Control motor reset counter
- Actuator position
- Gear position sensor 1
- Gear position sensor 2
- Number of faults after system test
- temperature sensor
- Internal control module temperature
- Transfer case Neutral
- Control motor direction of rotation sensor voltage
- Transfer case actual locking torque
- Ignition key removal lock solenoid valve
- Output shaft drive sensor 1
- Gearbox output shaft speed
- 4WD high range lamp
- Motion sensor
- Gear adaption status
- Control motor temperature
- Selector lever position sensor voltage
- High gear engaged
- Low gear engaged
- 4WD LOW position switch
- Low gear range warning lamp
- High-Range indicator lamp voltage monitoring
- Low-Range indicator lamp voltage monitoring
- Direction of motor rotation, anti-clockwise
- Direction of motor rotation, clockwise

**LAND ROVER** **Discovery IV - Discovery IV 3.0 TDV6 AWD**

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Functional tests**
- Cylinder shutoff
- Starting fault information
- Idle speed comparison
- Quantities comparison
- **Adjustments / settings**
- Injector quantity adjustment
- Empty set calibration for injector change
- **Error memory**



Engine control  
Diesel EDC 17CP11

- **Current values**
  - Main injection quantity
  - Intake charge-air temperature
  - Coolant temperature sensor voltage
  - Intake air temperature sensor voltage
  - Fuel temperature
  - Exh.gases recirc.: pulse-duty factor
  - Engine revolution
  - atmospheric pressure
  - electric fuel pump
  - throttle valve regulator
  - Glow timing control
  - engine oil temperature
  - Max speed limitation
  - Rail pressure, nominal
  - Rail pressure, actual
  - Turbo pressure, actual value
  - Engine oil level
  - Pulse-duty factor, pressure regulation valve
  - Fuel quantity metering device pulse-duty factor
  - Air-mass 1
  - Air mass 2
  - Kilometer reading
  - Gas pedal position sensor 1 (V)
  - Gas pedal position sensor 2(V)
  - Injection mass (norm)
  - Ambient temperature
  - Voltage fuel temperature
  - Radiator fan 1 control
  - Distance since last oil change
  - Calculated gas pedal position
  - Injection mass (actual value)
  - No. of successful regen. operations
  - Turboch.exhaust gas flow switch valve/specified value
  - Turboch.exhaust gas flow switch valve/actual value
  - Atmospheric pressure voltage sensor
  - Voltage rail pressure sensor
  - Ash content particle filter
  - Distance since last regeneration
  - Pre-injection actuation time 1
  - Exhaust gas temperature before particle filter
  - Exhaust gas temperature after particle filter
  - Engine torque, specified value
  - Pressure control valve regulating current
  - Preliminary injection fuel quantity 1
  - Status Particle filter-Regeneration
  - Voltage exhaust gas difference pressure
  - Voltage charge air temperature
  - Camshaft / Crankshaft synchronization
  - Pressure-regulation valve, triggering current nominal value
  - Ambient temperature sensor
  - Main injection actuation time
  - Fuel high pressure control/quantity control
  - Rail pressure deviation
  - Carbon black depletion Particle filter
  - Fuel suction control valve, control current
  - Time from last regeneration
  - Pressure control valve voltage
  - Lambda sen.htg.circ.(B1,S1)duty cyc.
  - EGR positioner 1
  - EGR positioner 2
  - Exhaust temp. sensor upstr. DPF (V)
  - Exhaust gas temperature sensor 1 upstream of OXI
- CAT
  - Exhaust gas temperature sensor 2 downstream of OXI
- CAT
  - Exhaust gas temperature sensor 2 upstream of OXI
- CAT
  - Exhaust gas recirculation 2 position set value
  - Number of regeneration requests
  - Charge pressure actuator 1 actual position
  - Charge pressure actuator 1 specified position

	<ul style="list-style-type: none"> <li>- Engine oil dilution factor</li> <li>- Boost pressure sensor 2 voltage</li> <li>- Lambda value after turbocharger</li> <li>- Exhaust gas temperature sensor after the DPF (V)</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Glow timing control</li> <li>- Radiator fan. stage 2</li> <li>- Exhausted gases signal lamp</li> <li>- Throttle valve actuator</li> <li>- Glow control light</li> <li>- Control unit fan</li> <li>- Turbocharger exhaust gas flow switching valve</li> <li>- Turbocharger charge air switching valve</li> <li>- Turbocharger charge air changeover valve</li> </ul> </li> </ul>
<p>All-wheel drive electronics All wheel drive electronics 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit power supply</li> <li>- Distance travelled in mode 1</li> <li>- Distance travelled in mode 2</li> <li>- Distance travelled in mode 3</li> <li>- Distance travelled in mode 4</li> <li>- Distance travelled in mode 5</li> <li>- Number of faults after system test</li> <li>- LED display 1</li> <li>- LED display 2</li> <li>- LED display 3</li> <li>- LED display 4</li> <li>- LED display 5</li> <li>- LED display 6</li> <li>- Mileage in dynamic mode</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Transmission adaptation</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- throttle valve position</li> <li>- Engine revolution</li> <li>- Gear engaged</li> <li>- Control unit power supply</li> <li>- Inserted gear</li> <li>- atmospheric pressure</li> <li>- gear box oil temperature</li> <li>- Power supply sensor</li> <li>- Electronic control unit supply voltage</li> <li>- Lock switch for starter</li> <li>- Cooling agent temperature motor</li> <li>- Shift-Lock Function</li> <li>- mileage from the moment of switching on the lamp for failure</li> <li>- Load, calculated value</li> <li>- Actual Engine Torque</li> <li>- Vehicle average speed</li> <li>- Transmission oil temperature sensor voltage</li> <li>- Engine speed actual value</li> <li>- Electronic control unit power supply</li> <li>- Steering column switch module</li> <li>- Gearbox oil temperature</li> <li>- Averaged vehicle speed</li> <li>- Mileage since fault memory cleared</li> <li>- Time since engine start</li> <li>- Control units reset counter</li> <li>- Transmission control unit temperature</li> <li>- Pressure control solenoid valve 6</li> </ul> </li> </ul>

Gear box control  
6/8 speed automatic transmission HPxx

- Transmission oil temperature sensor voltage
- Number of faults after system test
- Internal control module temperature
- Number of overtemperature faults
- Steering wheel paddle -
- Steering wheel paddle
- Relative accelerator position
- Gear engaged
- Steering wheel paddle +, monitoring
- Steering wheel paddle -, monitoring
- Number of warming-up cycles since erasing of FSP
- Coolant overtemperature frequency
- Gearbox input moment
- Actuator power supply
- Turbine rotation speed
- Pressure-regulation magnetic valve 1
- Pressure-regulation magnetic valve 2
- Pressure-regulation magnetic valve 3
- Pressure control solenoid valve 4
- Pressure-regulation magnetic valve 5
- Gearbox output shaft speed
- Transmission output shaft speed 2
- Transmission output shaft Speed
- Engine speed limit
- Engine oil temperature sensor
- Shift lock solenoid valve
- Control unit overtemperature counter
- No. of oil overtemperature forced shut-offs
- Park/Neutral output signal
- Clutch A charging pressure
- Clutch B charging pressure
- Clutch C charging pressure
- Clutch D charging pressure
- Clutch E charging pressure
- Charging time - Clutch A
- Charging time - Clutch B
- Charging time - Clutch C
- Charging time - Clutch D
- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A
- Charging pressure counter - Clutch B
- Charging pressure counter - Clutch C
- Charging pressure counter - Clutch D
- Charging pressure counter - Clutch E

Central module comfort  
Access/start authorization 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Power supply
  - Kilometer reading
  - Key 1
  - Key 2
  - Key 3
  - Key 4
  - Key 5
  - Number of actual errors
  - Switch 6
  - Switch 7
  - Switch 8

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts

Underbody/Steering  
Air suspension 4.0

- Drain pressure accumulator
- Activate air suspension
- **Error memory**
- **Current values**
  - Longitudinal acceleration sensor
  - Vehicle driving speed
  - Car level (horizontal) sensor output: rear left
  - Car level (horizontal) sensor output: rear right
  - Car level (horizontal) sensor output: front left
  - Engine revolution
  - Control unit power supply
  - atmospheric pressure
  - Lateral acceleration sensor
  - Driving wheels angle
  - Battery voltage activation
  - Ambient temperature
  - Ignition/starter switch voltage
  - Status Diagnosis
  - Ignition status
  - air tank pressure
  - Pump motor temperature
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front left vehicle level sensor: Offset
  - Front right vehicle level sensor: Offset
  - Rear left vehicle level sensor: Offset
  - Rear right vehicle level sensor: Offset
  - Power supply vehicle level sensor, front left
  - Power supply vehicle level sensor, front right
  - Power supply vehicle level sensor, rear left
  - Power supply vehicle level sensor, rear right
  - Control unit current input
  - Vehicle level button: Raise
  - Vehicle level button: Lower
  - Air suspension compressor relay
  - Air suspension operating mode
  - Current input of LEDs
  - System control mode
  - Supply voltage status
  - Normal LED
  - Lift LED
  - Lower LED
  - Front left air spring valve current
  - Front right air spring valve current
  - Rear left air spring valve current
  - Rear right air spring valve current
  - Pressure accumulator valve current
  - Off-road LED
  - Air suspension switch
  - Entry mode LED
  - Outlet valve current
  - Front cross link valve
  - Rear cross link valve
  - Front cross link valve current
  - Rear cross link valve current
  - Terrain mode
  - Outlet valve
  - Door contact status
  - Cut-out signal status
  - Reveille
  - Pump temperature sensor
  - Steering column locking switch 1
  - Pressure sensor power supply
  - Compressor temperature
  - Pressure accumulator valve
  - Vehicle level sensor, front right
  - Front left vehicle level
  - Front right vehicle level
  - Rear left vehicle level
  - Rear right vehicle level
  - Status Wake-Up Signal

	<ul style="list-style-type: none"> <li>- Level control status</li> <li>- Compressed air sensor 1 voltage</li> <li>- Access mode level button</li> <li>- Compressor temperature sensor voltage</li> <li>- Crawl mode LED</li> <li>- Setting mode</li> <li>- Normal mode</li> <li>- Vehicle level button: Down, long press</li> <li>- Vehicle level button: Up, long press</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Air suspension compressor relay</li> <li>- Pressure accumulator valve</li> <li>- Front left air spring valve</li> <li>- Front right air spring valve</li> <li>- Rear left air spring valve</li> <li>- Rear right air spring valve</li> <li>- Front cross link valve</li> <li>- Rear cross link valve</li> <li>- Outlet valve</li> </ul> </li> </ul>
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<p>Heating / Air conditioner Automatic A/C 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Air flap control motors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air conditioner electromagnetic clutch - compressor</li> <li>- Air conditioner compressor</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Vaporization temperature sensor</li> <li>- Electronic control unit supply voltage</li> <li>- Air conditioner system pressure</li> <li>- Engine control unit power supply</li> <li>- Heat exchanger temperature sensor, left</li> <li>- Heat exchanger temperature sensor, right</li> <li>- Ambient temperature</li> <li>- Odometer</li> <li>- Rear air conditioner request</li> <li>- Salon temperature sensor</li> <li>- Status of park heater</li> <li>- Current position air mix flap left</li> <li>- Current position air mix flap right</li> <li>- Relative humidity</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Sensor supply voltage</li> <li>- Front blower motor</li> <li>- Washer jet heating actuation</li> <li>- Air circulation flaps key button</li> <li>- Fresh air fan control</li> <li>- Current position fresh air / ventilation flap</li> <li>- Rear air mix flap actual position</li> <li>- Glow plug</li> <li>- Overheating sensor temperature</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Rear blower voltage actual value</li> <li>- Auxiliary heating: Combustion blower</li> <li>- Auxiliary coolant pump valve status</li> <li>- Number of faults after system test</li> <li>- Automatic A/C button</li> <li>- Maximum defrost button</li> <li>- Front left seat heating button LED Stage 1</li> <li>- Front left seat heating button LED Stage 2</li> <li>- Front right seat heating button LED Stage 1</li> <li>- Front right seat heating button LED Stage 2</li> <li>- Auxiliary water pump</li> <li>- Overheating sensor</li> <li>- LED button AC</li> <li>- Upward air distribution button LED</li> <li>- Downward air distribut. button LED</li> </ul> </li> </ul>
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- Center air distribution button LED
- Sun sensor left
- Sun sensor right
- Fuel preheating status
- Seat heating, left, button
- Seat heating, right, button
- Indicator lamp/mode switch Power
- AUTO button LED
- Set left heated seat temperature
- Set right heated seat temperature
- Economy mode, switch
- Rear blower, request
- LED rear window heating button
- Combustion air blower
- Flame detection
- Blower motor rear
- Air distribution Footwell/center
- Air distribution Defrost/footwell
- Heated windshield indicator lamp
- Supplem./auxiliary heater fuel pump
- Rear temperature preselection
- Heated windshield button
- Defrost/footwell air distributor button
- Evaporator temperature sensor rear
- Fresh/recirculated-air button LED
- Rear air distributor flap
- Auxiliary / supplementary heater power supply
- Left sunlight penetration photo-sensor
- Right sunlight penetration photo-sensor
- Rear A/C control Auto button
- MAX button AC
- LED button maximum cooling capacity
- Rear blower motor specified speed
- External carbon dioxide (CO2) sensor
- External nitrogen oxides (NOx) sensor
- Automatic blower control LED

Electrical energy management  
Battery management 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - Electronic control unit supply voltage
  - Alternator, current
  - Generator charge signal
  - Battery age
  - Calculated battery temperature
  - Battery relay
  - Battery charge/discharge current
  - Battery type
  - Average battery discharge (sleep)
  - Smoothed battery charge with ignition ON
  - Smoothed battery discharge with ignition OFF
  - Smoothed battery discharge with ignition ON
  - Number of resets due to battery change
  - Battery management: Estimated charge

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection
  - Stop light, left
  - Stop light, right
  - Electronic control unit supply voltage
  - Brake pedal switch
  - Light switch

- Short lights, left
- Short lights, right
- Long lights, left
- Long lights, right
- Rear window wiper switch
- Switch Parking / Neutral
- Brakes linings wearing
- Rear deck unlocking
- Oil pressure switch
- External air temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Spare wheel sensor code
- Auxiliary lighting switch
- Relay for additional lamps
- Stand light relay
- Alarm LED
- Interior light switch
- Rear window washer system switch
- Alternator, current
- Emergency lights switch
- Trailer brake lights
- Trailer rear fog lights
- Interior lighting
- Sunroof position
- End position, rear wiper
- Fuel level signal 1
- Fuel level signal 2
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Sun roof motor 2
- Sun roof motor 1
- Electric fuel pump request
- Engine operation relay
- Start button status
- Engine start request
- Sun roof switch (to front)
- Sun roof switch (to rear)
- Fog lamp output signal
- Rear window wiper relay
- Windscreen heating relay
- Rear window defroster relay
- Windscreen wiper relay
- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal

- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time
- TRIP button
- Rear right, tire pressure sensor fault status
- Rear left tire pressure sensor fault status
- Front right, tire pressure sensor fault status
- Front left, tire pressure sensor fault status
- Battery charge/discharge current
- Rear right antenna
- Rear left antenna
- Front right antenna
- Front left antenna
- Coolant level switch
- Interior central locking button Lock



	<ul style="list-style-type: none"> <li>- Internal central locking button Unlock</li> <li>- Rear lid contact switch 1</li> <li>- Rear lid contact switch 2</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- Red warning lamp</li> <li>- Yellow warning lamp</li> <li>- Oil pressure control lamp</li> <li>- HDC indicator lamp</li> <li>- Glow control light</li> </ul> </li> </ul>

- Ambient light sensor
- Electronic control unit power supply
- Parking brake, warning light
- Yellow brake indicator lamp
- Red brake indicator lamp
- Control light airbag
- Headlight level control, control lamp
- Adaptive cruise control, control light
- Automatic headlights indicator lamp
- Tire pressure monitor indicator lamp
- Side lights, control light

• **Actuators**

- Instrument cluster indication lamps

Parking assisting system  
Park Distance Control 4.0

• **Identification**

• **Clear errors**

• **Functional tests**

- System self test

• **Error memory**

• **Current values**

- The ambient temperature
- Electronic control unit supply voltage
- Engine operation detected
- Engine control unit power supply
- Odometer
- Park distance control system key
- Distance left rear
- Distance left centre rear
- Distance right centre rear
- Distance right rear
- Distance, left front, outside
- Distance, left front, inside
- Distance, right front, inside
- Distance, right front, outside
- Distance sensor parking assistant front right
- Distance sensor parking assistant front left
- Engine start request
- Status Diagnosis
- Operating time
- Interior temperature
- Parking aid: system status
- Parking aid: distance sensor, front left
- Parking aid: distance sensor, front right
- Parking aid: Rear left distance sensor decay time
- Parking aid: Rear left center distance sensor decay time
- Parking aid: Rear right center distance sensor decay time
- Parking aid: Rear right distance sensor decay time
- Parking aid: front left distance sensor decay time
- Parking aid: front left center distance sensor decay time
- Parking aid: front right center distance sensor decay time
- Parking aid: front right distance sensor decay time
- Muting by parking aid
- Front right center distance sensor
- Distance sensor, rear right center
- Distance sensor, right rear
- Distance sensor, left rear
- Distance sensor, rear left center
- Front left distance sensor
- Front left center distance sensor
- Front right distance sensor
- Parking aid indicator lamp
- Parking aid deactivation speed
- Number of faults after system test
- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button

- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

All-wheel drive electronics  
Transfer case 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Engine revolution
  - Electronic control unit supply voltage
  - Control unit, Voltage sensor 1
  - Control unit, Voltage sensor 2
  - Transmission mode
  - Manual transm.: Gear stick position
  - Slip speed
  - Transfer case solenoid valve
  - Voltage servo motor (M+)
  - Voltage servo motor (M-)
  - Servo motor speed
  - Status Diagnosis
  - Motor current
  - Error frequency counter
  - Ignition starter switch status
  - Overtemperature protection
  - Specified clutch torque
  - 4WD HIGH position switch
  - Actual motor position angle
  - Control motor reset counter
  - Actuator position
  - Gear position sensor 1
  - Gear position sensor 2
  - Number of faults after system test
  - temperature sensor
  - Internal control module temperature
  - Transfer case Neutral
  - Control motor direction of rotation sensor voltage
  - Transfer case actual locking torque
  - Ignition key removal lock solenoid valve
  - Output shaft drive sensor 1
  - Gearbox output shaft speed
  - 4WD high range lamp
  - Motion sensor
  - Gear adaption status
  - Control motor temperature
  - Selector lever position sensor voltage
  - High gear engaged
  - Low gear engaged
  - 4WD LOW position switch
  - Low gear range warning lamp
  - High-Range indicator lamp voltage monitoring
  - Low-Range indicator lamp voltage monitoring
  - Direction of motor rotation, anti-clockwise
  - Direction of motor rotation, clockwise

LAND ROVER

Discovery IV - Discovery IV 2.7 TDV6 AWD

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test

All-wheel drive electronics  
All wheel drive electronics 4.0

- **Error memory**
- **Current values**
  - Electronic control unit power supply
  - Distance travelled in mode 1
  - Distance travelled in mode 2
  - Distance travelled in mode 3
  - Distance travelled in mode 4
  - Distance travelled in mode 5
  - Number of faults after system test
  - LED display 1
  - LED display 2
  - LED display 3
  - LED display 4
  - LED display 5
  - LED display 6
  - Mileage in dynamic mode

Gear box control  
6/8 speed automatic transmission HPxx

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Transmission adaptation
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - throttle valve position
  - Engine revolution
  - Gear engaged
  - Control unit power supply
  - Inserted gear
  - atmospheric pressure
  - gear box oil temperature
  - Power supply sensor
  - Electronic control unit supply voltage
  - Lock switch for starter
  - Cooling agent temperature motor
  - Shift-Lock Function
  - mileage from the moment of switching on the lamp for failure
  - Load, calculated value
  - Actual Engine Torque
  - Vehicle average speed
  - Transmission oil temperature sensor voltage
  - Engine speed actual value
  - Electronic control unit power supply
  - Steering column switch module
  - Gearbox oil temperature
  - Averaged vehicle speed
  - Mileage since fault memory cleared
  - Time since engine start
  - Control units reset counter
  - Transmission control unit temperature
  - Pressure control solenoid valve 6
  - Transmission oil temperature sensor voltage
  - Number of faults after system test
  - Internal control module temperature
  - Number of overtemperature faults
  - Steering wheel paddle -
  - Steering wheel paddle
  - Relative accelerator position
  - Gear engaged
  - Steering wheel paddle +, monitoring
  - Steering wheel paddle -, monitoring
  - Number of warming-up cycles since erasing of FSP
  - Coolant overtemperature frequency
  - Gearbox input moment
  - Actuator power supply
  - Turbine rotation speed
  - Pressure-regulation magnetic valve 1
  - Pressure-regulation magnetic valve 2
  - Pressure-regulation magnetic valve 3
  - Pressure control solenoid valve 4

- Pressure-regulation magnetic valve 5
- Gearbox output shaft speed
- Transmission output shaft speed 2
- Transmission output shaft Speed
- Engine speed limit
- Engine oil temperature sensor
- Shift lock solenoid valve
- Control unit overtemperature counter
- No. of oil overtemperature forced shut-offs
- Park/Neutral output signal
- Clutch A charging pressure
- Clutch B charging pressure
- Clutch C charging pressure
- Clutch D charging pressure
- Clutch E charging pressure
- Charging time - Clutch A
- Charging time - Clutch B
- Charging time - Clutch C
- Charging time - Clutch D
- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A
- Charging pressure counter - Clutch B
- Charging pressure counter - Clutch C
- Charging pressure counter - Clutch D
- Charging pressure counter - Clutch E

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Resistance side airbag driver's side
  - Resistance side airbag front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Knee bag driver side front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - Power supply open circuit
  - Driver side front seat position sensor: Current value
  - Passenger side front seat position sensor: Current value
- value
  - System operating time
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status

	<ul style="list-style-type: none"> <li>- Passenger seat position sensor</li> <li>- Front left head airbag</li> <li>- Front right head airbag</li> <li>- Rear left head airbag</li> <li>- Rear right head airbag</li> <li>- Rollover detection 1</li> <li>- Rollover detection 2</li> </ul>
<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Power supply</li> <li>- Kilometer reading</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Number of actual errors</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Drain air spring struts</li> <li>- Drain pressure accumulator</li> <li>- Activate air suspension</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Longitudinal acceleration sensor</li> <li>- Vehicle driving speed</li> <li>- Car level (horizontality) sensor output: rear left</li> <li>- Car level (horizontality) sensor output: rear right</li> <li>- Car level (horizontality) sensor output: front left</li> <li>- Engine revolution</li> <li>- Control unit power supply</li> <li>- atmospheric pressure</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> <li>- Battery voltage activation</li> <li>- Ambient temperature</li> <li>- Ignition/starter switch voltage</li> <li>- Status Diagnosis</li> <li>- Ignition status</li> <li>- air tank pressure</li> <li>- Pump motor temperature</li> <li>- Front left air spring valve</li> <li>- Front right air spring valve</li> <li>- Rear left air spring valve</li> <li>- Rear right air spring valve</li> <li>- Front left vehicle level sensor: Offset</li> <li>- Front right vehicle level sensor: Offset</li> <li>- Rear left vehicle level sensor: Offset</li> <li>- Rear right vehicle level sensor: Offset</li> <li>- Power supply vehicle level sensor, front left</li> <li>- Power supply vehicle level sensor, front right</li> <li>- Power supply vehicle level sensor, rear left</li> <li>- Power supply vehicle level sensor, rear right</li> <li>- Control unit current input</li> <li>- Vehicle level button: Raise</li> <li>- Vehicle level button: Lower</li> <li>- Air suspension compressor relay</li> <li>- Air suspension operating mode</li> <li>- Current input of LEDs</li> <li>- System control mode</li> <li>- Supply voltage status</li> <li>- Normal LED</li> </ul> </li> </ul>

Underbody/Steering  
Air suspension 4.0

- Lift LED
- Lower LED
- Front left air spring valve current
- Front right air spring valve current
- Rear left air spring valve current
- Rear right air spring valve current
- Pressure accumulator valve current
- Off-road LED
- Air suspension switch
- Entry mode LED
- Outlet valve current
- Front cross link valve
- Rear cross link valve
- Front cross link valve current
- Rear cross link valve current
- Terrain mode
- Outlet valve
- Door contact status
- Cut-out signal status
- Reveille
- Pump temperature sensor
- Steering column locking switch 1
- Pressure sensor power supply
- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press
- Vehicle level button: Up, long press
- **Actuators**
  - Air suspension compressor relay
  - Pressure accumulator valve
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front cross link valve
  - Rear cross link valve
  - Outlet valve

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Air flap control motors
- **Error memory**
- **Current values**
  - Air conditioner electromagnetic clutch - compressor
  - Air conditioner compressor
  - Passenger compartment temperature
  - The ambient temperature
  - Vaporization temperature sensor
  - Electronic control unit supply voltage
  - Air conditioner system pressure
  - Engine control unit power supply
  - Heat exchanger temperature sensor, left
  - Heat exchanger temperature sensor, right
  - Ambient temperature
  - Odometer
  - Rear air conditioner request
  - Salon temperature sensor
  - Status of park heater
  - Current position air mix flap left

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Heating / Air conditioner  
Automatic A/C 4.0

- Current position air mix flap right
- Relative humidity
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Sensor supply voltage
- Front blower motor
- Washer jet heating actuation
- Air circulation flaps key button
- Fresh air fan control
- Current position fresh air / ventilation flap
- Rear air mix flap actual position
- Glow plug
- Overheating sensor temperature
- Operating time
- Interior temperature
- Rear blower voltage actual value
- Auxiliary heating: Combustion blower
- Auxiliary coolant pump valve status
- Number of faults after system test
- Automatic A/C button
- Maximum defrost button
- Front left seat heating button LED Stage 1
- Front left seat heating button LED Stage 2
- Front right seat heating button LED Stage 1
- Front right seat heating button LED Stage 2
- Auxiliary water pump
- Overheating sensor
- LED button AC
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Sun sensor left
- Sun sensor right
- Fuel preheating status
- Seat heating, left, button
- Seat heating, right, button
- Indicator lamp/mode switch Power
- AUTO button LED
- Set left heated seat temperature
- Set right heated seat temperature
- Economy mode, switch
- Rear blower, request
- LED rear window heating button
- Combustion air blower
- Flame detection
- Blower motor rear
- Air distribution Footwell/center
- Air distribution Defrost/footwell
- Heated windshield indicator lamp
- Supplem./auxiliary heater fuel pump
- Rear temperature preselection
- Heated windshield button
- Defrost/footwell air distributor button
- Evaporator temperature sensor rear
- Fresh/recirculated-air button LED
- Rear air distributor flap
- Auxiliary / supplementary heater power supply
- Left sunlight penetration photo-sensor
- Right sunlight penetration photo-sensor
- Rear A/C control Auto button
- MAX button AC
- LED button maximum cooling capacity
- Rear blower motor specified speed
- External carbon dioxide (CO2) sensor
- External nitrogen oxides (NOx) sensor
- Automatic blower control LED

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**



Electrical energy management  
Battery management 4.0

- **Current values**
  - Battery voltage
  - Electronic control unit supply voltage
  - Alternator, current
  - Generator charge signal
  - Battery age
  - Calculated battery temperature
  - Battery relay
  - Battery charge/discharge current
  - Battery type
  - Average battery discharge (sleep)
  - Smoothed battery charge with ignition ON
  - Smoothed battery discharge with ignition OFF
  - Smoothed battery discharge with ignition ON
  - Number of resets due to battery change
  - Battery management: Estimated charge

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection
  - Stop light, left
  - Stop light, right
  - Electronic control unit supply voltage
  - Brake pedal switch
  - Light switch
  - Short lights, left
  - Short lights, right
  - Long lights, left
  - Long lights, right
  - Rear window wiper switch
  - Switch Parking / Neutral
  - Brakes linings wearing
  - Rear deck unlocking
  - Oil pressure switch
  - External air temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Spare wheel sensor code
  - Auxiliary lighting switch
  - Relay for additional lamps
  - Stand light relay
  - Alarm LED
  - Interior light switch
  - Rear window washer system switch
  - Alternator, current
  - Emergency lights switch
  - Trailer brake lights
  - Trailer rear fog lights
  - Interior lighting
  - Sunroof position
  - End position, rear wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Sun roof motor 2
  - Sun roof motor 1
  - Electric fuel pump request
  - Engine operation relay
  - Start button status
  - Engine start request
  - Sun roof switch (to front)
  - Sun roof switch (to rear)
  - Fog lamp output signal

Central electronics  
Central electronics 4.0

- Rear window wiper relay
- Windscreen heating relay
- Rear window defroster relay
- Windscreen wiper relay
- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight

- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time
- TRIP button
- Rear right, tire pressure sensor fault status
- Rear left tire pressure sensor fault status
- Front right, tire pressure sensor fault status
- Front left, tire pressure sensor fault status
- Battery charge/discharge current
- Rear right antenna
- Rear left antenna
- Front right antenna
- Front left antenna
- Coolant level switch
- Interior central locking button Lock
- Internal central locking button Unlock
- Rear lid contact switch 1
- Rear lid contact switch 2
- Battery type
- Average battery discharge (sleep)
- Smoothed battery charge with ignition ON
- Smoothed battery discharge with ignition OFF
- Smoothed battery discharge with ignition ON
- Number of resets due to battery change
- Number of missing tire pressure monitoring sensors
- Battery management: Estimated charge
- Airbag control supply relay

Parking brake  
Electrical parking brake 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Tilt angle initialization
  - Parking brake service mode
  - Retract/relax parking brake
- **Error memory**
- **Current values**
  - Left front door
  - Right front door
  - Boot/hatchback
  - Left-rear door
  - Right rear door
  - Motor top
  - Actuators during vehicle operation
  - Longitudinal acceleration correction value
  - Motor current
  - Parking brake, warning light
  - Electronic parking brake button status
  - Longitudinal acceleration raw value
  - Actuation counter
  - El. parking brake force sensor
- **Actuators**
  - Parking brake apply
  - Release parking brake

- **Identification**
- **Clear errors**
- **Functional tests**

Immobilizer  
Immobilizer 4.0

- System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Engine control unit power supply
  - Odometer
  - Interior temperature

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Service interval display reset
- **Error memory**
- **Current values**
  - Cruise control, control light
  - Low-range lamp
  - Engine management system error lights
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Trailer turn sign. indicators, warning light
  - Red warning lamp
  - Yellow warning lamp
  - Oil pressure control lamp
  - HDC indicator lamp
  - Glow control light
  - Ambient light sensor
  - Electronic control unit power supply
  - Parking brake, warning light
  - Yellow brake indicator lamp
  - Red brake indicator lamp
  - Control light airbag
  - Headlight level control, control lamp
  - Adaptive cruise control, control light
  - Automatic headlights indicator lamp
  - Tire pressure monitor indicator lamp
  - Side lights, control light
- **Actuators**
  - Instrument cluster indication lamps

All-wheel drive electronics  
Transfer case 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Engine revolution
  - Electronic control unit supply voltage
  - Control unit, Voltage sensor 1
  - Control unit, Voltage sensor 2
  - Transmission mode
  - Manual transm.: Gear stick position
  - Slip speed
  - Transfer case solenoid valve
  - Voltage servo motor (M+)
  - Voltage servo motor (M-)
  - Servo motor speed
  - Status Diagnosis
  - Motor current
  - Error frequency counter
  - Ignition starter switch status
  - Overtemperature protection
  - Specified clutch torque
  - 4WD HIGH position switch
  - Actual motor position angle
  - Control motor reset counter
  - Actuator position

- Gear position sensor 1
- Gear position sensor 2
- Number of faults after system test
- temperature sensor
- Internal control module temperature
- Transfer case Neutral
- Control motor direction of rotation sensor voltage
- Transfer case actual locking torque
- Ignition key removal lock solenoid valve
- Output shaft drive sensor 1
- Gearbox output shaft speed
- 4WD high range lamp
- Motion sensor
- Gear adaption status
- Control motor temperature
- Selector lever position sensor voltage
- High gear engaged
- Low gear engaged
- 4WD LOW position switch
- Low gear range warning lamp
- High-Range indicator lamp voltage monitoring
- Low-Range indicator lamp voltage monitoring
- Direction of motor rotation, anti-clockwise
- Direction of motor rotation, clockwise

**LAND ROVER** **Discovery IV - Discovery IV 5.0 V8 AWD**

Year	Engine	Liters	HP	System	Functions
				All-wheel drive electronics All wheel drive electronics 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit power supply</li> <li>- Distance travelled in mode 1</li> <li>- Distance travelled in mode 2</li> <li>- Distance travelled in mode 3</li> <li>- Distance travelled in mode 4</li> <li>- Distance travelled in mode 5</li> <li>- Number of faults after system test</li> <li>- LED display 1</li> <li>- LED display 2</li> <li>- LED display 3</li> <li>- LED display 4</li> <li>- LED display 5</li> <li>- LED display 6</li> <li>- Mileage in dynamic mode</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Transmission adaptation</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- throttle valve position</li> <li>- Engine revolution</li> <li>- Gear engaged</li> <li>- Control unit power supply</li> <li>- Inserted gear</li> <li>- atmospheric pressure</li> <li>- gear box oil temperature</li> <li>- Power supply sensor</li> <li>- Electronic control unit supply voltage</li> <li>- Lock switch for starter</li> <li>- Cooling agent temperature motor</li> <li>- Shift-Lock Function</li> <li>- mileage from the moment of switching on the lamp for</li> </ul> </li> </ul>

Gear box control  
6/8 speed automatic transmission HPxx

failure

- Load, calculated value
- Actual Engine Torque
- Vehicle average speed
- Transmission oil temperature sensor voltage
- Engine speed actual value
- Electronic control unit power supply
- Steering column switch module
- Gearbox oil temperature
- Averaged vehicle speed
- Mileage since fault memory cleared
- Time since engine start
- Control units reset counter
- Transmission control unit temperature
- Pressure control solenoid valve 6
- Transmission oil temperature sensor voltage
- Number of faults after system test
- Internal control module temperature
- Number of overtemperature faults
- Steering wheel paddle -
- Steering wheel paddle
- Relative accelerator position
- Gear engaged
- Steering wheel paddle +, monitoring
- Steering wheel paddle -, monitoring
- Number of warming-up cycles since erasing of FSP
- Coolant overtemperature frequency
- Gearbox input moment
- Actuator power supply
- Turbine rotation speed
- Pressure-regulation magnetic valve 1
- Pressure-regulation magnetic valve 2
- Pressure-regulation magnetic valve 3
- Pressure control solenoid valve 4
- Pressure-regulation magnetic valve 5
- Gearbox output shaft speed
- Transmission output shaft speed 2
- Transmission output shaft Speed
- Engine speed limit
- Engine oil temperature sensor
- Shift lock solenoid valve
- Control unit overtemperature counter
- No. of oil overtemperature forced shut-offs
- Park/Neutral output signal
- Clutch A charging pressure
- Clutch B charging pressure
- Clutch C charging pressure
- Clutch D charging pressure
- Clutch E charging pressure
- Charging time - Clutch A
- Charging time - Clutch B
- Charging time - Clutch C
- Charging time - Clutch D
- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A
- Charging pressure counter - Clutch B
- Charging pressure counter - Clutch C
- Charging pressure counter - Clutch D
- Charging pressure counter - Clutch E

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- Electronic control unit supply voltage
- Kilometer reading
- Voltage belt lock driver's side
- Voltage belt lock front passenger's side

Airbag  
Airbag AB 4.0

- Resistance side airbag driver's side
- Resistance side airbag front passenger's side
- Front left door status
- Front right door status
- Rear left door status
- Rear right door status
- Switch for passenger-side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Knee bag driver side front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- Power supply open circuit
- Driver side front seat position sensor: Current value
- Passenger side front seat position sensor: Current value
- System operating time
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor
- Front left head airbag
- Front right head airbag
- Rear left head airbag
- Rear right head airbag
- Rollover detection 1
- Rollover detection 2

Central module comfort  
Access/start authorization 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Power supply
  - Kilometer reading
  - Key 1
  - Key 2
  - Key 3
  - Key 4
  - Key 5
  - Number of actual errors
  - Switch 6
  - Switch 7
  - Switch 8

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts
  - Drain pressure accumulator
  - Activate air suspension
- **Error memory**
- **Current values**
  - Longitudinal acceleration sensor
  - Vehicle driving speed
  - Car level (horizontality) sensor output: rear left
  - Car level (horizontality) sensor output: rear right

Underbody/Steering  
Air suspension 4.0

- Car level (horizontality) sensor output: front left
- Engine revolution
- Control unit power supply
- atmospheric pressure
- Lateral acceleration sensor
- Driving wheels angle
- Battery voltage activation
- Ambient temperature
- Ignition/starter switch voltage
- Status Diagnosis
- Ignition status
- air tank pressure
- Pump motor temperature
- Front left air spring valve
- Front right air spring valve
- Rear left air spring valve
- Rear right air spring valve
- Front left vehicle level sensor: Offset
- Front right vehicle level sensor: Offset
- Rear left vehicle level sensor: Offset
- Rear right vehicle level sensor: Offset
- Power supply vehicle level sensor, front left
- Power supply vehicle level sensor, front right
- Power supply vehicle level sensor, rear left
- Power supply vehicle level sensor, rear right
- Control unit current input
- Vehicle level button: Raise
- Vehicle level button: Lower
- Air suspension compressor relay
- Air suspension operating mode
- Current input of LEDs
- System control mode
- Supply voltage status
- Normal LED
- Lift LED
- Lower LED
- Front left air spring valve current
- Front right air spring valve current
- Rear left air spring valve current
- Rear right air spring valve current
- Pressure accumulator valve current
- Off-road LED
- Air suspension switch
- Entry mode LED
- Outlet valve current
- Front cross link valve
- Rear cross link valve
- Front cross link valve current
- Rear cross link valve current
- Terrain mode
- Outlet valve
- Door contact status
- Cut-out signal status
- Reveille
- Pump temperature sensor
- Steering column locking switch 1
- Pressure sensor power supply
- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press



- Vehicle level button: Up, long press
- **Actuators**
  - Air suspension compressor relay
  - Pressure accumulator valve
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front cross link valve
  - Rear cross link valve
  - Outlet valve

Heating / Air conditioner  
Automatic A/C 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Air flap control motors
- **Error memory**
- **Current values**
  - Air conditioner electromagnetic clutch - compressor
  - Air conditioner compressor
  - Passenger compartment temperature
  - The ambient temperature
  - Vaporization temperature sensor
  - Electronic control unit supply voltage
  - Air conditioner system pressure
  - Engine control unit power supply
  - Heat exchanger temperature sensor, left
  - Heat exchanger temperature sensor, right
  - Ambient temperature
  - Odometer
  - Rear air conditioner request
  - Salon temperature sensor
  - Status of park heater
  - Current position air mix flap left
  - Current position air mix flap right
  - Relative humidity
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Sensor supply voltage
  - Front blower motor
  - Washer jet heating actuation
  - Air circulation flaps key button
  - Fresh air fan control
  - Current position fresh air / ventilation flap
  - Rear air mix flap actual position
  - Glow plug
  - Overheating sensor temperature
  - Operating time
  - Interior temperature
  - Rear blower voltage actual value
  - Auxiliary heating: Combustion blower
  - Auxiliary coolant pump valve status
  - Number of faults after system test
  - Automatic A/C button
  - Maximum defrost button
  - Front left seat heating button LED Stage 1
  - Front left seat heating button LED Stage 2
  - Front right seat heating button LED Stage 1
  - Front right seat heating button LED Stage 2
  - Auxiliary water pump
  - Overheating sensor
  - LED button AC
  - Upward air distribution button LED
  - Downward air distribut. button LED
  - Center air distribution button LED
  - Sun sensor left
  - Sun sensor right
  - Fuel preheating status
  - Seat heating, left, button
  - Seat heating, right, button
  - Indicator lamp/mode switch Power
  - AUTO button LED

2009/09 -	508PN	5.0	375 - 380	<ul style="list-style-type: none"> <li>- Set left heated seat temperature</li> <li>- Set right heated seat temperature</li> <li>- Economy mode, switch</li> <li>- Rear blower, request</li> <li>- LED rear window heating button</li> <li>- Combustion air blower</li> <li>- Flame detection</li> <li>- Blower motor rear</li> <li>- Air distribution Footwell/center</li> <li>- Air distribution Defrost/footwell</li> <li>- Heated windshield indicator lamp</li> <li>- Supplem./auxiliary heater fuel pump</li> <li>- Rear temperature preselection</li> <li>- Heated windshield button</li> <li>- Defrost/footwell air distributor button</li> <li>- Evaporator temperature sensor rear</li> <li>- Fresh/recirculated-air button LED</li> <li>- Rear air distributor flap</li> <li>- Auxiliary / supplementary heater power supply</li> <li>- Left sunlight penetration photo-sensor</li> <li>- Right sunlight penetration photo-sensor</li> <li>- Rear A/C control Auto button</li> <li>- MAX button AC</li> <li>- LED button maximum cooling capacity</li> <li>- Rear blower motor specified speed</li> <li>- External carbon dioxide (CO2) sensor</li> <li>- External nitrogen oxides (NOx) sensor</li> <li>- Automatic blower control LED</li> </ul>
			<p>Electrical energy management Battery management 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Electronic control unit supply voltage</li> <li>- Alternator, current</li> <li>- Generator charge signal</li> <li>- Battery age</li> <li>- Calculated battery temperature</li> <li>- Battery relay</li> <li>- Battery charge/discharge current</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Battery management: Estimated charge</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Collision signal</li> <li>- Control unit, internal relay</li> <li>- Top contact switch</li> <li>- Trailer detection</li> <li>- Stop light, left</li> <li>- Stop light, right</li> <li>- Electronic control unit supply voltage</li> <li>- Brake pedal switch</li> <li>- Light switch</li> <li>- Short lights, left</li> <li>- Short lights, right</li> <li>- Long lights, left</li> <li>- Long lights, right</li> <li>- Rear window wiper switch</li> <li>- Switch Parking / Neutral</li> <li>- Brakes linings wearing</li> <li>- Rear deck unlocking</li> </ul> </li> </ul>

Central electronics  
Central electronics 4.0

- Oil pressure switch
- External air temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Spare wheel sensor code
- Auxiliary lighting switch
- Relay for additional lamps
- Stand light relay
- Alarm LED
- Interior light switch
- Rear window washer system switch
- Alternator, current
- Emergency lights switch
- Trailer brake lights
- Trailer rear fog lights
- Interior lighting
- Sunroof position
- End position, rear wiper
- Fuel level signal 1
- Fuel level signal 2
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Sun roof motor 2
- Sun roof motor 1
- Electric fuel pump request
- Engine operation relay
- Start button status
- Engine start request
- Sun roof switch (to front)
- Sun roof switch (to rear)
- Fog lamp output signal
- Rear window wiper relay
- Windscreen heating relay
- Rear window defroster relay
- Windscreen wiper relay
- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light

- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time
- TRIP button
- Rear right, tire pressure sensor fault status
- Rear left tire pressure sensor fault status
- Front right, tire pressure sensor fault status
- Front left, tire pressure sensor fault status
- Battery charge/discharge current
- Rear right antenna
- Rear left antenna
- Front right antenna
- Front left antenna
- Coolant level switch
- Interior central locking button Lock
- Internal central locking button Unlock
- Rear lid contact switch 1
- Rear lid contact switch 2
- Battery type
- Average battery discharge (sleep)
- Smoothed battery charge with ignition ON
- Smoothed battery discharge with ignition OFF
- Smoothed battery discharge with ignition ON

	<ul style="list-style-type: none"> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- Red warning lamp</li> <li>- Yellow warning lamp</li> <li>- Oil pressure control lamp</li> <li>- HDC indicator lamp</li> <li>- Glow control light</li> <li>- Ambient light sensor</li> <li>- Electronic control unit power supply</li> <li>- Parking brake, warning light</li> <li>- Yellow brake indicator lamp</li> <li>- Red brake indicator lamp</li> <li>- Control light airbag</li> <li>- Headlight level control, control lamp</li> <li>- Adaptive cruise control, control light</li> </ul> </li> </ul>

- Automatic headlights indicator lamp
- Tire pressure monitor indicator lamp
- Side lights, control light
- **Actuators**
  - Instrument cluster indication lamps

Parking assisting system  
Park Distance Control 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Electronic control unit supply voltage
  - Engine operation detected
  - Engine control unit power supply
  - Odometer
  - Park distance control system key
  - Distance left rear
  - Distance left centre rear
  - Distance right centre rear
  - Distance right rear
  - Distance, left front, outside
  - Distance, left front, inside
  - Distance, right front, inside
  - Distance, right front, outside
  - Distance sensor parking assistant front right
  - Distance sensor parking assistant front left
  - Engine start request
  - Status Diagnosis
  - Operating time
  - Interior temperature
  - Parking aid: system status
  - Parking aid: distance sensor, front left
  - Parking aid: distance sensor, front right
  - Parking aid: Rear left distance sensor decay time
  - Parking aid: Rear left center distance sensor decay time
  - Parking aid: Rear right center distance sensor decay time
  - Parking aid: Rear right distance sensor decay time
  - Parking aid: front left distance sensor decay time
  - Parking aid: front left center distance sensor decay time
  - Parking aid: front right center distance sensor decay time
  - Parking aid: front right distance sensor decay time
  - Muting by parking aid
  - Front right center distance sensor
  - Distance sensor, rear right center
  - Distance sensor, right rear
  - Distance sensor, left rear
  - Distance sensor, rear left center
  - Front left distance sensor
  - Front left center distance sensor
  - Front right distance sensor
  - Parking aid indicator lamp
  - Parking aid deactivation speed
  - Number of faults after system test
  - Parking aid error status
  - Parking aid: Front distance sensor configuration
  - Parking aid: Trailer detection
  - Parking aid: Reverse gear engaged
  - Parking assistant indicator lamp
  - Parking assistant button
  - Rear distance sensor status
  - Front parking aid beep volume
  - Rear parking aid beep volume
  - Front right distance
  - Front left distance
  - Parking aid: Distance sensors
- **Actuators**

- Park distance control gong
- Park distance control switch LED
- Parking aid: Rear distance sensors
- Distance sensors

All-wheel drive electronics  
Transfer case 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Engine revolution
  - Electronic control unit supply voltage
  - Control unit, Voltage sensor 1
  - Control unit, Voltage sensor 2
  - Transmission mode
  - Manual transm.: Gear stick position
  - Slip speed
  - Transfer case solenoid valve
  - Voltage servo motor (M+)
  - Voltage servo motor (M-)
  - Servo motor speed
  - Status Diagnosis
  - Motor current
  - Error frequency counter
  - Ignition starter switch status
  - Overtemperature protection
  - Specified clutch torque
  - 4WD HIGH position switch
  - Actual motor position angle
  - Control motor reset counter
  - Actuator position
  - Gear position sensor 1
  - Gear position sensor 2
  - Number of faults after system test
  - temperature sensor
  - Internal control module temperature
  - Transfer case Neutral
  - Control motor direction of rotation sensor voltage
  - Transfer case actual locking torque
  - Ignition key removal lock solenoid valve
  - Output shaft drive sensor 1
  - Gearbox output shaft speed
  - 4WD high range lamp
  - Motion sensor
  - Gear adaption status
  - Control motor temperature
  - Selector lever position sensor voltage
  - High gear engaged
  - Low gear engaged
  - 4WD LOW position switch
  - Low gear range warning lamp
  - High-Range indicator lamp voltage monitoring
  - Low-Range indicator lamp voltage monitoring
  - Direction of motor rotation, anti-clockwise
  - Direction of motor rotation, clockwise

LAND ROVER

Discovery IV - Discovery IV 4.0 V6 AWD

Year	Engine	Liters	HP	System	Functions
				All-wheel drive electronics All wheel drive electronics 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit power supply</li> <li>- Distance travelled in mode 1</li> <li>- Distance travelled in mode 2</li> <li>- Distance travelled in mode 3</li> <li>- Distance travelled in mode 4</li> <li>- Distance travelled in mode 5</li> </ul> </li> </ul>

- Number of faults after system test
- LED display 1
- LED display 2
- LED display 3
- LED display 4
- LED display 5
- LED display 6
- Mileage in dynamic mode

Gear box control  
6/8 speed automatic transmission HPxx

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Transmission adaptation
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - throttle valve position
  - Engine revolution
  - Gear engaged
  - Control unit power supply
  - Inserted gear
  - atmospheric pressure
  - gear box oil temperature
  - Power supply sensor
  - Electronic control unit supply voltage
  - Lock switch for starter
  - Cooling agent temperature motor
  - Shift-Lock Function
  - mileage from the moment of switching on the lamp for failure
  - Load, calculated value
  - Actual Engine Torque
  - Vehicle average speed
  - Transmission oil temperature sensor voltage
  - Engine speed actual value
  - Electronic control unit power supply
  - Steering column switch module
  - Gearbox oil temperature
  - Averaged vehicle speed
  - Mileage since fault memory cleared
  - Time since engine start
  - Control units reset counter
  - Transmission control unit temperature
  - Pressure control solenoid valve 6
  - Transmission oil temperature sensor voltage
  - Number of faults after system test
  - Internal control module temperature
  - Number of overtemperature faults
  - Steering wheel paddle -
  - Steering wheel paddle
  - Relative accelerator position
  - Gear engaged
  - Steering wheel paddle +, monitoring
  - Steering wheel paddle -, monitoring
  - Number of warming-up cycles since erasing of FSP
  - Coolant overtemperature frequency
  - Gearbox input moment
  - Actuator power supply
  - Turbine rotation speed
  - Pressure-regulation magnetic valve 1
  - Pressure-regulation magnetic valve 2
  - Pressure-regulation magnetic valve 3
  - Pressure control solenoid valve 4
  - Pressure-regulation magnetic valve 5
  - Gearbox output shaft speed
  - Transmission output shaft speed 2
  - Transmission output shaft Speed
  - Engine speed limit
  - Engine oil temperature sensor
  - Shift lock solenoid valve
  - Control unit overtemperature counter



	<ul style="list-style-type: none"> <li>- No. of oil overtemperature forced shut-offs</li> <li>- Park/Neutral output signal</li> <li>- Clutch A charging pressure</li> <li>- Clutch B charging pressure</li> <li>- Clutch C charging pressure</li> <li>- Clutch D charging pressure</li> <li>- Clutch E charging pressure</li> <li>- Charging time - Clutch A</li> <li>- Charging time - Clutch B</li> <li>- Charging time - Clutch C</li> <li>- Charging time - Clutch D</li> <li>- Charging time - Clutch E</li> <li>- Charging counter - Clutch A</li> <li>- Charging counter - Clutch B</li> <li>- Charging counter - Clutch C</li> <li>- Charging counter - Clutch D</li> <li>- Charging counter - Clutch E</li> <li>- Charging pressure counter - Clutch A</li> <li>- Charging pressure counter - Clutch B</li> <li>- Charging pressure counter - Clutch C</li> <li>- Charging pressure counter - Clutch D</li> <li>- Charging pressure counter - Clutch E</li> </ul>
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Resistance side airbag driver's side</li> <li>- Resistance side airbag front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Knee bag driver side front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- Power supply open circuit</li> <li>- Driver side front seat position sensor: Current value</li> <li>- Passenger side front seat position sensor: Current value</li> <li>- System operating time</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> <li>- Front left head airbag</li> <li>- Front right head airbag</li> <li>- Rear left head airbag</li> <li>- Rear right head airbag</li> <li>- Rollover detection 1</li> <li>- Rollover detection 2</li> </ul> </li> </ul>

Central module comfort  
Access/start authorization 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Power supply
  - Kilometer reading
  - Key 1
  - Key 2
  - Key 3
  - Key 4
  - Key 5
  - Number of actual errors
  - Switch 6
  - Switch 7
  - Switch 8

Underbody/Steering  
Air suspension 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts
  - Drain pressure accumulator
  - Activate air suspension
- **Error memory**
- **Current values**
  - Longitudinal acceleration sensor
  - Vehicle driving speed
  - Car level (horizontality) sensor output: rear left
  - Car level (horizontality) sensor output: rear right
  - Car level (horizontality) sensor output: front left
  - Engine revolution
  - Control unit power supply
  - atmospheric pressure
  - Lateral acceleration sensor
  - Driving wheels angle
  - Battery voltage activation
  - Ambient temperature
  - Ignition/starter switch voltage
  - Status Diagnosis
  - Ignition status
  - air tank pressure
  - Pump motor temperature
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front left vehicle level sensor: Offset
  - Front right vehicle level sensor: Offset
  - Rear left vehicle level sensor: Offset
  - Rear right vehicle level sensor: Offset
  - Power supply vehicle level sensor, front left
  - Power supply vehicle level sensor, front right
  - Power supply vehicle level sensor, rear left
  - Power supply vehicle level sensor, rear right
  - Control unit current input
  - Vehicle level button: Raise
  - Vehicle level button: Lower
  - Air suspension compressor relay
  - Air suspension operating mode
  - Current input of LEDs
  - System control mode
  - Supply voltage status
  - Normal LED
  - Lift LED
  - Lower LED
  - Front left air spring valve current
  - Front right air spring valve current
  - Rear left air spring valve current
  - Rear right air spring valve current
  - Pressure accumulator valve current
  - Off-road LED

- Air suspension switch
- Entry mode LED
- Outlet valve current
- Front cross link valve
- Rear cross link valve
- Front cross link valve current
- Rear cross link valve current
- Terrain mode
- Outlet valve
- Door contact status
- Cut-out signal status
- Reveille
- Pump temperature sensor
- Steering column locking switch 1
- Pressure sensor power supply
- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press
- Vehicle level button: Up, long press
- **Actuators**
  - Air suspension compressor relay
  - Pressure accumulator valve
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front cross link valve
  - Rear cross link valve
  - Outlet valve

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Air flap control motors
- **Error memory**
- **Current values**
  - Air conditioner electromagnetic clutch - compressor
  - Air conditioner compressor
  - Passenger compartment temperature
  - The ambient temperature
  - Vaporization temperature sensor
  - Electronic control unit supply voltage
  - Air conditioner system pressure
  - Engine control unit power supply
  - Heat exchanger temperature sensor, left
  - Heat exchanger temperature sensor, right
  - Ambient temperature
  - Odometer
  - Rear air conditioner request
  - Salon temperature sensor
  - Status of park heater
  - Current position air mix flap left
  - Current position air mix flap right
  - Relative humidity
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Sensor supply voltage
  - Front blower motor
  - Washer jet heating actuation

Heating / Air conditioner  
Automatic A/C 4.0

- Air circulation flaps key button
- Fresh air fan control
- Current position fresh air / ventilation flap
- Rear air mix flap actual position
- Glow plug
- Overheating sensor temperature
- Operating time
- Interior temperature
- Rear blower voltage actual value
- Auxiliary heating: Combustion blower
- Auxiliary coolant pump valve status
- Number of faults after system test
- Automatic A/C button
- Maximum defrost button
- Front left seat heating button LED Stage 1
- Front left seat heating button LED Stage 2
- Front right seat heating button LED Stage 1
- Front right seat heating button LED Stage 2
- Auxiliary water pump
- Overheating sensor
- LED button AC
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Sun sensor left
- Sun sensor right
- Fuel preheating status
- Seat heating, left, button
- Seat heating, right, button
- Indicator lamp/mode switch Power
- AUTO button LED
- Set left heated seat temperature
- Set right heated seat temperature
- Economy mode, switch
- Rear blower, request
- LED rear window heating button
- Combustion air blower
- Flame detection
- Blower motor rear
- Air distribution Footwell/center
- Air distribution Defrost/footwell
- Heated windshield indicator lamp
- Supplem./auxiliary heater fuel pump
- Rear temperature preselection
- Heated windshield button
- Defrost/footwell air distributor button
- Evaporator temperature sensor rear
- Fresh/recirculated-air button LED
- Rear air distributor flap
- Auxiliary / supplementary heater power supply
- Left sunlight penetration photo-sensor
- Right sunlight penetration photo-sensor
- Rear A/C control Auto button
- MAX button AC
- LED button maximum cooling capacity
- Rear blower motor specified speed
- External carbon dioxide (CO2) sensor
- External nitrogen oxides (NOx) sensor
- Automatic blower control LED

Electrical energy management  
Battery management 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - Electronic control unit supply voltage
  - Alternator, current
  - Generator charge signal
  - Battery age
  - Calculated battery temperature
  - Battery relay

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- Battery charge/discharge current
- Battery type
- Average battery discharge (sleep)
- Smoothed battery charge with ignition ON
- Smoothed battery discharge with ignition OFF
- Smoothed battery discharge with ignition ON
- Number of resets due to battery change
- Battery management: Estimated charge

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection
  - Stop light, left
  - Stop light, right
  - Electronic control unit supply voltage
  - Brake pedal switch
  - Light switch
  - Short lights, left
  - Short lights, right
  - Long lights, left
  - Long lights, right
  - Rear window wiper switch
  - Switch Parking / Neutral
  - Brakes linings wearing
  - Rear deck unlocking
  - Oil pressure switch
  - External air temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Spare wheel sensor code
  - Auxiliary lighting switch
  - Relay for additional lamps
  - Stand light relay
  - Alarm LED
  - Interior light switch
  - Rear window washer system switch
  - Alternator, current
  - Emergency lights switch
  - Trailer brake lights
  - Trailer rear fog lights
  - Interior lighting
  - Sunroof position
  - End position, rear wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Sun roof motor 2
  - Sun roof motor 1
  - Electric fuel pump request
  - Engine operation relay
  - Start button status
  - Engine start request
  - Sun roof switch (to front)
  - Sun roof switch (to rear)
  - Fog lamp output signal
  - Rear window wiper relay
  - Windscreen heating relay
  - Rear window defroster relay
  - Windscreen wiper relay
  - Windshield washer system switch
  - Door contact, rear left door
  - Door contact, rear right door
  - Rear deck release switch

Central electronics  
Central electronics 4.0

- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch

	<ul style="list-style-type: none"> <li>- Trailer left indicator actuation</li> <li>- Trailer right indicator actuation</li> <li>- CAN bus, wake-up signal</li> <li>- Battery relay</li> <li>- Retained accessory power relay</li> <li>- Steering column adjustment switch</li> <li>- Steering column longitudinal position sensor</li> <li>- Steering column height position sensor</li> <li>- Luggage compartment lock release</li> <li>- Left daylight running light</li> <li>- Rear daylight running light</li> <li>- Front windshield wiper, interval wipe time</li> <li>- TRIP button</li> <li>- Rear right, tire pressure sensor fault status</li> <li>- Rear left tire pressure sensor fault status</li> <li>- Front right, tire pressure sensor fault status</li> <li>- Front left, tire pressure sensor fault status</li> <li>- Battery charge/discharge current</li> <li>- Rear right antenna</li> <li>- Rear left antenna</li> <li>- Front right antenna</li> <li>- Front left antenna</li> <li>- Coolant level switch</li> <li>- Interior central locking button Lock</li> <li>- Internal central locking button Unlock</li> <li>- Rear lid contact switch 1</li> <li>- Rear lid contact switch 2</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>

Instrument cluster  
Instrument cluster 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Service interval display reset
- **Error memory**
- **Current values**
  - Cruise control, control light
  - Low-range lamp
  - Engine management system error lights
  - Generator lamp
  - Seat belt control light
  - ABS control light
  - ASR/ESP control light
  - Hi-beam lights, control light
  - Fog light control lamp
  - Rear fog lights control lamp
  - Right direction indicator control light
  - Left direction indicator control light
  - Trailer turn sign. indicators, warning light
  - Red warning lamp
  - Yellow warning lamp
  - Oil pressure control lamp
  - HDC indicator lamp
  - Glow control light
  - Ambient light sensor
  - Electronic control unit power supply
  - Parking brake, warning light
  - Yellow brake indicator lamp
  - Red brake indicator lamp
  - Control light airbag
  - Headlight level control, control lamp
  - Adaptive cruise control, control light
  - Automatic headlights indicator lamp
  - Tire pressure monitor indicator lamp
  - Side lights, control light
- **Actuators**
  - Instrument cluster indication lamps

Parking assisting system

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Electronic control unit supply voltage
  - Engine operation detected
  - Engine control unit power supply
  - Odometer
  - Park distance control system key
  - Distance left rear
  - Distance left centre rear
  - Distance right centre rear
  - Distance right rear
  - Distance, left front, outside
  - Distance, left front, inside
  - Distance, right front, inside
  - Distance, right front, outside
  - Distance sensor parking assistant front right
  - Distance sensor parking assistant front left
  - Engine start request
  - Status Diagnosis
  - Operating time
  - Interior temperature
  - Parking aid: system status
  - Parking aid: distance sensor, front left
  - Parking aid: distance sensor, front right
  - Parking aid: Rear left distance sensor decay time
  - Parking aid: Rear left center distance sensor decay time
  - Parking aid: Rear right center distance sensor decay time
  - Parking aid: Rear right distance sensor decay time



Park Distance Control 4.0

- Parking aid: front left distance sensor decay time
- Parking aid: front left center distance sensor decay time
- Parking aid: front right center distance sensor decay time
- Parking aid: front right distance sensor decay time
- Muting by parking aid
- Front right center distance sensor
- Distance sensor, rear right center
- Distance sensor, right rear
- Distance sensor, left rear
- Distance sensor, rear left center
- Front left distance sensor
- Front left center distance sensor
- Front right distance sensor
- Parking aid indicator lamp
- Parking aid deactivation speed
- Number of faults after system test
- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button
- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

All-wheel drive electronics  
Transfer case 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Engine revolution
  - Electronic control unit supply voltage
  - Control unit, Voltage sensor 1
  - Control unit, Voltage sensor 2
  - Transmission mode
  - Manual transm.: Gear stick position
  - Slip speed
  - Transfer case solenoid valve
  - Voltage servo motor (M+)
  - Voltage servo motor (M-)
  - Servo motor speed
  - Status Diagnosis
  - Motor current
  - Error frequency counter
  - Ignition starter switch status
  - Overtemperature protection
  - Specified clutch torque
  - 4WD HIGH position switch
  - Actual motor position angle
  - Control motor reset counter
  - Actuator position
  - Gear position sensor 1
  - Gear position sensor 2
  - Number of faults after system test
  - temperature sensor
  - Internal control module temperature
  - Transfer case Neutral
  - Control motor direction of rotation sensor voltage
  - Transfer case actual locking torque
  - Ignition key removal lock solenoid valve
  - Output shaft drive sensor 1
  - Gearbox output shaft speed

- 4WD high range lamp
- Motion sensor
- Gear adaption status
- Control motor temperature
- Selector lever position sensor voltage
- High gear engaged
- Low gear engaged
- 4WD LOW position switch
- Low gear range warning lamp
- High-Range indicator lamp voltage monitoring
- Low-Range indicator lamp voltage monitoring
- Direction of motor rotation, anti-clockwise
- Direction of motor rotation, clockwise

**LAND ROVER** **Freelander 2 [LF] - Freelander 2 SD4 AWD**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Resistance side airbag driver's side</li> <li>- Resistance side airbag front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Knee bag driver side front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- Power supply open circuit</li> <li>- Driver side front seat position sensor: Current value</li> <li>- Passenger side front seat position sensor: Current value</li> <li>- System operating time</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> <li>- Front left head airbag</li> <li>- Front right head airbag</li> <li>- Rear left head airbag</li> <li>- Rear right head airbag</li> <li>- Rollover detection 1</li> <li>- Rollover detection 2</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b></li> </ul>

2010/09 -	224DT	2.2	190	<p>Parking assisting system Park Distance Control 4.0</p>	<ul style="list-style-type: none"> <li>- System self test</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Electronic control unit supply voltage</li> <li>- Engine operation detected</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Park distance control system key</li> <li>- Distance left rear</li> <li>- Distance left centre rear</li> <li>- Distance right centre rear</li> <li>- Distance right rear</li> <li>- Distance, left front, outside</li> <li>- Distance, left front, inside</li> <li>- Distance, right front, inside</li> <li>- Distance, right front, outside</li> <li>- Distance sensor parking assistant front right</li> <li>- Distance sensor parking assistant front left</li> <li>- Engine start request</li> <li>- Status Diagnosis</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Parking aid: system status</li> <li>- Parking aid: distance sensor, front left</li> <li>- Parking aid: distance sensor, front right</li> <li>- Parking aid: Rear left distance sensor decay time</li> <li>- Parking aid: Rear left center distance sensor decay time</li> <li>- Parking aid: Rear right center distance sensor decay time</li> <li>- Parking aid: Rear right distance sensor decay time</li> <li>- Parking aid: front left distance sensor decay time</li> <li>- Parking aid: front left center distance sensor decay time</li> <li>- Parking aid: front right center distance sensor decay time</li> <li>- Parking aid: front right distance sensor decay time</li> <li>- Muting by parking aid</li> <li>- Front right center distance sensor</li> <li>- Distance sensor, rear right center</li> <li>- Distance sensor, right rear</li> <li>- Distance sensor, left rear</li> <li>- Distance sensor, rear left center</li> <li>- Front left distance sensor</li> <li>- Front left center distance sensor</li> <li>- Front right distance sensor</li> <li>- Parking aid indicator lamp</li> <li>- Parking aid deactivation speed</li> <li>- Number of faults after system test</li> <li>- Parking aid error status</li> <li>- Parking aid: Front distance sensor configuration</li> <li>- Parking aid: Trailer detection</li> <li>- Parking aid: Reverse gear engaged</li> <li>- Parking assistant indicator lamp</li> <li>- Parking assistant button</li> <li>- Rear distance sensor status</li> <li>- Front parking aid beep volume</li> <li>- Rear parking aid beep volume</li> <li>- Front right distance</li> <li>- Front left distance</li> <li>- Parking aid: Distance sensors</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Park distance control gong</li> <li>- Park distance control switch LED</li> <li>- Parking aid: Rear distance sensors</li> <li>- Distance sensors</li> </ul> </li> </ul>
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**LAND ROVER** Freelandr 2 [LF] - Freelandr 2 eD4

Year	Engine	Liters	HP	System	Functions
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Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Resistance side airbag driver's side
  - Resistance side airbag front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Knee bag driver side front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - Power supply open circuit
  - Driver side front seat position sensor: Current value
  - Passenger side front seat position sensor: Current value
- System operating time
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor
- Front left head airbag
- Front right head airbag
- Rear left head airbag
- Rear right head airbag
- Rollover detection 1
- Rollover detection 2

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Electronic control unit supply voltage
  - Engine operation detected
  - Engine control unit power supply
  - Odometer
  - Park distance control system key
  - Distance left rear
  - Distance left centre rear
  - Distance right centre rear
  - Distance right rear
  - Distance, left front, outside
  - Distance, left front, inside
  - Distance, right front, inside
  - Distance, right front, outside
  - Distance sensor parking assistant front right
  - Distance sensor parking assistant front left
  - Engine start request

Parking assisting system  
Park Distance Control 4.0

- Status Diagnosis
- Operating time
- Interior temperature
- Parking aid: system status
- Parking aid: distance sensor, front left
- Parking aid: distance sensor, front right
- Parking aid: Rear left distance sensor decay time
- Parking aid: Rear left center distance sensor decay time
- Parking aid: Rear right center distance sensor decay time
- Parking aid: Rear right distance sensor decay time
- Parking aid: front left distance sensor decay time
- Parking aid: front left center distance sensor decay time
- Parking aid: front right center distance sensor decay time
- Parking aid: front right distance sensor decay time
- Muting by parking aid
- Front right center distance sensor
- Distance sensor, rear right center
- Distance sensor, right rear
- Distance sensor, left rear
- Distance sensor, rear left center
- Front left distance sensor
- Front left center distance sensor
- Front right distance sensor
- Parking aid indicator lamp
- Parking aid deactivation speed
- Number of faults after system test
- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button
- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

LAND ROVER

Freelander 2 [LF] - Freelander 2 i6 AWD

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Electronic control unit supply voltage</li> <li>- Engine operation detected</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Park distance control system key</li> <li>- Distance left rear</li> <li>- Distance left centre rear</li> <li>- Distance right centre rear</li> <li>- Distance right rear</li> <li>- Distance, left front, outside</li> <li>- Distance, left front, inside</li> <li>- Distance, right front, inside</li> <li>- Distance, right front, outside</li> </ul> </li> </ul>

2006/10	B6324S	3.2	231 - 233	Parking assisting system Park Distance Control 4.0	<ul style="list-style-type: none"> <li>- Distance sensor parking assistant front right</li> <li>- Distance sensor parking assistant front left</li> <li>- Engine start request</li> <li>- Status Diagnosis</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Parking aid: system status</li> <li>- Parking aid: distance sensor, front left</li> <li>- Parking aid: distance sensor, front right</li> <li>- Parking aid: Rear left distance sensor decay time</li> <li>- Parking aid: Rear left center distance sensor decay time</li> <li>- Parking aid: Rear right center distance sensor decay time</li> <li>- Parking aid: Rear right distance sensor decay time</li> <li>- Parking aid: front left distance sensor decay time</li> <li>- Parking aid: front left center distance sensor decay time</li> <li>- Parking aid: front right center distance sensor decay time</li> <li>- Parking aid: front right distance sensor decay time</li> <li>- Muting by parking aid</li> <li>- Front right center distance sensor</li> <li>- Distance sensor, rear right center</li> <li>- Distance sensor, right rear</li> <li>- Distance sensor, left rear</li> <li>- Distance sensor, rear left center</li> <li>- Front left distance sensor</li> <li>- Front left center distance sensor</li> <li>- Front right distance sensor</li> <li>- Parking aid indicator lamp</li> <li>- Parking aid deactivation speed</li> <li>- Number of faults after system test</li> <li>- Parking aid error status</li> <li>- Parking aid: Front distance sensor configuration</li> <li>- Parking aid: Trailer detection</li> <li>- Parking aid: Reverse gear engaged</li> <li>- Parking assistant indicator lamp</li> <li>- Parking assistant button</li> <li>- Rear distance sensor status</li> <li>- Front parking aid beep volume</li> <li>- Rear parking aid beep volume</li> <li>- Front right distance</li> <li>- Front left distance</li> <li>- Parking aid: Distance sensors</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Park distance control gong</li> <li>- Park distance control switch LED</li> <li>- Parking aid: Rear distance sensors</li> <li>- Distance sensors</li> </ul> </li> </ul>
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**LAND ROVER** **Freelander 2 [LF] - Freelander 2 TD4 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Electronic control unit supply voltage</li> <li>- Engine operation detected</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Park distance control system key</li> <li>- Distance left rear</li> <li>- Distance left centre rear</li> <li>- Distance right centre rear</li> <li>- Distance right rear</li> <li>- Distance, left front, outside</li> </ul> </li> </ul>

2006/10 -	224DT	2.2	150 - 160	Parking assisting system Park Distance Control 4.0	<ul style="list-style-type: none"> <li>- Distance, left front, inside</li> <li>- Distance, right front, inside</li> <li>- Distance, right front, outside</li> <li>- Distance sensor parking assistant front right</li> <li>- Distance sensor parking assistant front left</li> <li>- Engine start request</li> <li>- Status Diagnosis</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Parking aid: system status</li> <li>- Parking aid: distance sensor, front left</li> <li>- Parking aid: distance sensor, front right</li> <li>- Parking aid: Rear left distance sensor decay time</li> <li>- Parking aid: Rear left center distance sensor decay time</li> <li>- Parking aid: Rear right center distance sensor decay time</li> <li>- Parking aid: Rear right distance sensor decay time</li> <li>- Parking aid: front left distance sensor decay time</li> <li>- Parking aid: front left center distance sensor decay time</li> <li>- Parking aid: front right center distance sensor decay time</li> <li>- Parking aid: front right distance sensor decay time</li> <li>- Muting by parking aid</li> <li>- Front right center distance sensor</li> <li>- Distance sensor, rear right center</li> <li>- Distance sensor, right rear</li> <li>- Distance sensor, left rear</li> <li>- Distance sensor, rear left center</li> <li>- Front left distance sensor</li> <li>- Front left center distance sensor</li> <li>- Front right distance sensor</li> <li>- Parking aid indicator lamp</li> <li>- Parking aid deactivation speed</li> <li>- Number of faults after system test</li> <li>- Parking aid error status</li> <li>- Parking aid: Front distance sensor configuration</li> <li>- Parking aid: Trailer detection</li> <li>- Parking aid: Reverse gear engaged</li> <li>- Parking assistant indicator lamp</li> <li>- Parking assistant button</li> <li>- Rear distance sensor status</li> <li>- Front parking aid beep volume</li> <li>- Rear parking aid beep volume</li> <li>- Front right distance</li> <li>- Front left distance</li> <li>- Parking aid: Distance sensors</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Park distance control gong</li> <li>- Park distance control switch LED</li> <li>- Parking aid: Rear distance sensors</li> <li>- Distance sensors</li> </ul> </li> </ul>
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**LAND ROVER** **Freelander 2 [LF] - Freelander 2 Si4 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Electronic control unit supply voltage</li> <li>- Engine operation detected</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Park distance control system key</li> <li>- Distance left rear</li> <li>- Distance left centre rear</li> </ul> </li> </ul>

2012/08 -	204PT	2.0	240	Parking assisting system Park Distance Control 4.0	<ul style="list-style-type: none"> <li>- Distance right centre rear</li> <li>- Distance right rear</li> <li>- Distance, left front, outside</li> <li>- Distance, left front, inside</li> <li>- Distance, right front, inside</li> <li>- Distance, right front, outside</li> <li>- Distance sensor parking assistant front right</li> <li>- Distance sensor parking assistant front left</li> <li>- Engine start request</li> <li>- Status Diagnosis</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Parking aid: system status</li> <li>- Parking aid: distance sensor, front left</li> <li>- Parking aid: distance sensor, front right</li> <li>- Parking aid: Rear left distance sensor decay time</li> <li>- Parking aid: Rear left center distance sensor decay time</li> <li>- Parking aid: Rear right center distance sensor decay time</li> <li>- Parking aid: Rear right distance sensor decay time</li> <li>- Parking aid: front left distance sensor decay time</li> <li>- Parking aid: front left center distance sensor decay time</li> <li>- Parking aid: front right center distance sensor decay time</li> <li>- Parking aid: front right distance sensor decay time</li> <li>- Muting by parking aid</li> <li>- Front right center distance sensor</li> <li>- Distance sensor, rear right center</li> <li>- Distance sensor, right rear</li> <li>- Distance sensor, left rear</li> <li>- Distance sensor, rear left center</li> <li>- Front left distance sensor</li> <li>- Front left center distance sensor</li> <li>- Front right distance sensor</li> <li>- Parking aid indicator lamp</li> <li>- Parking aid deactivation speed</li> <li>- Number of faults after system test</li> <li>- Parking aid error status</li> <li>- Parking aid: Front distance sensor configuration</li> <li>- Parking aid: Trailer detection</li> <li>- Parking aid: Reverse gear engaged</li> <li>- Parking assistant indicator lamp</li> <li>- Parking assistant button</li> <li>- Rear distance sensor status</li> <li>- Front parking aid beep volume</li> <li>- Rear parking aid beep volume</li> <li>- Front right distance</li> <li>- Front left distance</li> <li>- Parking aid: Distance sensors</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Park distance control gong</li> <li>- Park distance control switch LED</li> <li>- Parking aid: Rear distance sensors</li> <li>- Distance sensors</li> </ul> </li> </ul>
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**LAND ROVER** **Range Rover Evoque - Range Rover Evoque 2.0 Si4 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Resistance side airbag driver's side</li> <li>- Resistance side airbag front passenger's side</li> <li>- Front left door status</li> </ul> </li> </ul>



2011/09

204DT

2.0

241

Airbag  
Airbag AB 4.0

- Front right door status
- Rear left door status
- Rear right door status
- Switch for passenger-side airbag
- Longitudinal acceleration sensor 1
- Longitudinal acceleration sensor 2
- Driver side front belt sensor
- Passenger side front belt sensor
- Front passenger airbag control light
- Seat belt pre-load device driver front
- Seat belt pre-load device front passenger front
- Knee bag driver side front
- Status Diagnosis
- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- Power supply open circuit
- Driver side front seat position sensor: Current value
- Passenger side front seat position sensor: Current value
- System operating time
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor
- Front left head airbag
- Front right head airbag
- Rear left head airbag
- Rear right head airbag
- Rollover detection 1
- Rollover detection 2

Central module comfort  
Access/start authorization 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Power supply
  - Kilometer reading
  - Key 1
  - Key 2
  - Key 3
  - Key 4
  - Key 5
  - Number of actual errors
  - Switch 6
  - Switch 7
  - Switch 8

Immobilizer  
Immobilizer 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Engine control unit power supply
  - Odometer
  - Interior temperature

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**

Parking assisting system  
Park Distance Control 4.0

- The ambient temperature
- Electronic control unit supply voltage
- Engine operation detected
- Engine control unit power supply
- Odometer
- Park distance control system key
- Distance left rear
- Distance left centre rear
- Distance right centre rear
- Distance right rear
- Distance, left front, outside
- Distance, left front, inside
- Distance, right front, inside
- Distance, right front, outside
- Distance sensor parking assistant front right
- Distance sensor parking assistant front left
- Engine start request
- Status Diagnosis
- Operating time
- Interior temperature
- Parking aid: system status
- Parking aid: distance sensor, front left
- Parking aid: distance sensor, front right
- Parking aid: Rear left distance sensor decay time
- Parking aid: Rear left center distance sensor decay time
- Parking aid: Rear right center distance sensor decay time
- Parking aid: Rear right distance sensor decay time
- Parking aid: front left distance sensor decay time
- Parking aid: front left center distance sensor decay time
- Parking aid: front right center distance sensor decay time
- Parking aid: front right distance sensor decay time
- Muting by parking aid
- Front right center distance sensor
- Distance sensor, rear right center
- Distance sensor, right rear
- Distance sensor, left rear
- Distance sensor, rear left center
- Front left distance sensor
- Front left center distance sensor
- Front right distance sensor
- Parking aid indicator lamp
- Parking aid deactivation speed
- Number of faults after system test
- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button
- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

LAND ROVER

Range Rover Evoque - Range Rover Evoque 2.2 eD4

Year	Engine	Liters	HP	System	Functions
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- Identification
- Clear errors
- Error memory

				<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Power supply</li> <li>- Kilometer reading</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Number of actual errors</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> </ul>
				<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b></li> <li>- System self test</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul>
<p>2012/09 -</p>	<p>224DT</p>	<p>2.2</p>	<p>150</p>	<p>Parking assisting system Park Distance Control 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b></li> <li>- System self test</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- The ambient temperature</li> <li>- Electronic control unit supply voltage</li> <li>- Engine operation detected</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Park distance control system key</li> <li>- Distance left rear</li> <li>- Distance left centre rear</li> <li>- Distance right centre rear</li> <li>- Distance right rear</li> <li>- Distance, left front, outside</li> <li>- Distance, left front, inside</li> <li>- Distance, right front, inside</li> <li>- Distance, right front, outside</li> <li>- Distance sensor parking assistant front right</li> <li>- Distance sensor parking assistant front left</li> <li>- Engine start request</li> <li>- Status Diagnosis</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Parking aid: system status</li> <li>- Parking aid: distance sensor, front left</li> <li>- Parking aid: distance sensor, front right</li> <li>- Parking aid: Rear left distance sensor decay time</li> <li>- Parking aid: Rear left center distance sensor decay time</li> <li>- Parking aid: Rear right center distance sensor decay time</li> <li>- Parking aid: Rear right distance sensor decay time</li> <li>- Parking aid: front left distance sensor decay time</li> <li>- Parking aid: front left center distance sensor decay time</li> <li>- Parking aid: front right center distance sensor decay time</li> <li>- Parking aid: front right distance sensor decay time</li> <li>- Muting by parking aid</li> <li>- Front right center distance sensor</li> <li>- Distance sensor, rear right center</li> <li>- Distance sensor, right rear</li> <li>- Distance sensor, left rear</li> <li>- Distance sensor, rear left center</li> <li>- Front left distance sensor</li> </ul>

- Front left center distance sensor
- Front right distance sensor
- Parking aid indicator lamp
- Parking aid deactivation speed
- Number of faults after system test
- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button
- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

**LAND ROVER**

**Range Rover Evoque - Range Rover Evoque 2.2 TD4 AWD**

Year	Engine	Liters	HP	System	Functions
				Central module comfort Access/start authorization 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Power supply</li> <li>- Kilometer reading</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Number of actual errors</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> </ul> </li> </ul>
				Immobilizer Immobilizer 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Electronic control unit supply voltage</li> <li>- Engine operation detected</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Park distance control system key</li> <li>- Distance left rear</li> <li>- Distance left centre rear</li> <li>- Distance right centre rear</li> <li>- Distance right rear</li> <li>- Distance, left front, outside</li> </ul> </li> </ul>

2011/09	224DT	2.2	150	<p>Parking assisting system Park Distance Control 4.0</p>	<ul style="list-style-type: none"> <li>- Distance, left front, inside</li> <li>- Distance, right front, inside</li> <li>- Distance, right front, outside</li> <li>- Distance sensor parking assistant front right</li> <li>- Distance sensor parking assistant front left</li> <li>- Engine start request</li> <li>- Status Diagnosis</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Parking aid: system status</li> <li>- Parking aid: distance sensor, front left</li> <li>- Parking aid: distance sensor, front right</li> <li>- Parking aid: Rear left distance sensor decay time</li> <li>- Parking aid: Rear left center distance sensor decay time</li> <li>- Parking aid: Rear right center distance sensor decay time</li> <li>- Parking aid: Rear right distance sensor decay time</li> <li>- Parking aid: front left distance sensor decay time</li> <li>- Parking aid: front left center distance sensor decay time</li> <li>- Parking aid: front right center distance sensor decay time</li> <li>- Parking aid: front right distance sensor decay time</li> <li>- Muting by parking aid</li> <li>- Front right center distance sensor</li> <li>- Distance sensor, rear right center</li> <li>- Distance sensor, right rear</li> <li>- Distance sensor, left rear</li> <li>- Distance sensor, rear left center</li> <li>- Front left distance sensor</li> <li>- Front left center distance sensor</li> <li>- Front right distance sensor</li> <li>- Parking aid indicator lamp</li> <li>- Parking aid deactivation speed</li> <li>- Number of faults after system test</li> <li>- Parking aid error status</li> <li>- Parking aid: Front distance sensor configuration</li> <li>- Parking aid: Trailer detection</li> <li>- Parking aid: Reverse gear engaged</li> <li>- Parking assistant indicator lamp</li> <li>- Parking assistant button</li> <li>- Rear distance sensor status</li> <li>- Front parking aid beep volume</li> <li>- Rear parking aid beep volume</li> <li>- Front right distance</li> <li>- Front left distance</li> <li>- Parking aid: Distance sensors</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Park distance control gong</li> <li>- Park distance control switch LED</li> <li>- Parking aid: Rear distance sensors</li> <li>- Distance sensors</li> </ul> </li> </ul>
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**LAND ROVER** **Range Rover Evoque - Range Rover Evoque 2.2 SD4 AWD**

Year	Engine	Liters	HP	System	Functions
				<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Power supply</li> <li>- Kilometer reading</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Number of actual errors</li> <li>- Switch 6</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Switch 7</li> <li>- Switch 8</li> </ul>
				<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
2011/09	224DT	2.2	190	<p>Parking assisting system Park Distance Control 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Electronic control unit supply voltage</li> <li>- Engine operation detected</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Park distance control system key</li> <li>- Distance left rear</li> <li>- Distance left centre rear</li> <li>- Distance right centre rear</li> <li>- Distance right rear</li> <li>- Distance, left front, outside</li> <li>- Distance, left front, inside</li> <li>- Distance, right front, inside</li> <li>- Distance, right front, outside</li> <li>- Distance sensor parking assistant front right</li> <li>- Distance sensor parking assistant front left</li> <li>- Engine start request</li> <li>- Status Diagnosis</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Parking aid: system status</li> <li>- Parking aid: distance sensor, front left</li> <li>- Parking aid: distance sensor, front right</li> <li>- Parking aid: Rear left distance sensor decay time</li> <li>- Parking aid: Rear left center distance sensor decay time</li> <li>- Parking aid: Rear right center distance sensor decay time</li> <li>- Parking aid: Rear right distance sensor decay time</li> <li>- Parking aid: front left distance sensor decay time</li> <li>- Parking aid: front left center distance sensor decay time</li> <li>- Parking aid: front right center distance sensor decay time</li> <li>- Parking aid: front right distance sensor decay time</li> <li>- Muting by parking aid</li> <li>- Front right center distance sensor</li> <li>- Distance sensor, rear right center</li> <li>- Distance sensor, right rear</li> <li>- Distance sensor, left rear</li> <li>- Distance sensor, rear left center</li> <li>- Front left distance sensor</li> <li>- Front left center distance sensor</li> <li>- Front right distance sensor</li> <li>- Parking aid indicator lamp</li> <li>- Parking aid deactivation speed</li> <li>- Number of faults after system test</li> <li>- Parking aid error status</li> <li>- Parking aid: Front distance sensor configuration</li> <li>- Parking aid: Trailer detection</li> <li>- Parking aid: Reverse gear engaged</li> <li>- Parking assistant indicator lamp</li> <li>- Parking assistant button</li> </ul> </li> </ul>

- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

**LAND ROVER**

**Range Rover III - Range Rover III 3.6 TDV8 AWD**

Year	Engine	Liters	HP	System	Functions
				Engine control Diesel EDC 17CP11	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Cylinder shutoff</li> <li>- Starting fault information</li> <li>- Idle speed comparison</li> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Empty set calibration for injector change</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Main injection quantity</li> <li>- Intake charge-air temperature</li> <li>- Coolant temperature sensor voltage</li> <li>- Intake air temperature sensor voltage</li> <li>- Fuel temperature</li> <li>- Exh.gases recirc.: pulse-duty factor</li> <li>- Engine revolution</li> <li>- atmospheric pressure</li> <li>- electric fuel pump</li> <li>- throttle valve regulator</li> <li>- Glow timing control</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Rail pressure, nominal</li> <li>- Rail pressure, actual</li> <li>- Turbo pressure, actual value</li> <li>- Engine oil level</li> <li>- Pulse-duty factor, pressure regulation valve</li> <li>- Fuel quantity metering device pulse-duty factor</li> <li>- Air-mass 1</li> <li>- Air mass 2</li> <li>- Kilometer reading</li> <li>- Gas pedal position sensor 1 (V)</li> <li>- Gas pedal position sensor 2(V)</li> <li>- Injection mass (norm)</li> <li>- Ambient temperature</li> <li>- Voltage fuel temperature</li> <li>- Radiator fan 1 control</li> <li>- Distance since last oil change</li> <li>- Calculated gas pedal position</li> <li>- Injection mass (actual value)</li> <li>- No. of successful regen. operations</li> <li>- Turboch.exhaust gas flow switch valve/specified value</li> <li>- Turboch.exhaust gas flow switch valve/actual value</li> <li>- Atmospheric pressure voltage sensor</li> <li>- Voltage rail pressure sensor</li> <li>- Ash content particle filter</li> <li>- Distance since last regeneration</li> <li>- Pre-injection actuation time 1</li> <li>- Exhaust gas temperature before particle filter</li> <li>- Exhaust gas temperature after particle filter</li> <li>- Engine torque, specified value</li> <li>- Pressure control valve regulating current</li> <li>- Preliminary injection fuel quantity 1</li> </ul> </li> </ul>

- Status Particle filter-Regeneration
- Voltage exhaust gas difference pressure
- Voltage charge air temperature
- Camshaft / Crankshaft synchronization
- Pressure-regulation valve, triggering current nominal value
- Ambient temperature sensor
- Main injection actuation time
- Fuel high pressure control/quantity control
- Rail pressure deviation
- Carbon black depletion Particle filter
- Fuel suction control valve, control current
- Time from last regeneration
- Pressure control valve voltage
- Lambda sen.htg.circ.(B1,S1)duty cyc.
- EGR positioner 1
- EGR positioner 2
- Exhaust temp. sensor upstr. DPF (V)
- Exhaust gas temperature sensor 1 upstream of OXI CAT
- Exhaust gas temperature sensor 2 downstream of OXI CAT
- Exhaust gas temperature sensor 2 upstream of OXI CAT
- Exhaust gas recirculation 2 position set value
- Number of regeneration requests
- Charge pressure actuator 1 actual position
- Charge pressure actuator 1 specified position
- Engine oil dilution factor
- Boost pressure sensor 2 voltage
- Lambda value after turbocharger
- Exhaust gas temperature sensor after the DPF (V)
- **Actuators**
  - Glow timing control
  - Radiator fan. stage 2
  - Exhausted gases signal lamp
  - Throttle valve actuator
  - Glow control light
  - Control unit fan
  - Turbocharger exhaust gas flow switching valve
  - Turbocharger charge air switching valve
  - Turbocharger charge air changeover valve

All-wheel drive electronics  
All wheel drive electronics 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - Electronic control unit power supply
  - Distance travelled in mode 1
  - Distance travelled in mode 2
  - Distance travelled in mode 3
  - Distance travelled in mode 4
  - Distance travelled in mode 5
  - Number of faults after system test
  - LED display 1
  - LED display 2
  - LED display 3
  - LED display 4
  - LED display 5
  - LED display 6
  - Mileage in dynamic mode

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Transmission adaptation
- **Error memory**
- **Current values**
  - Vehicle driving speed



Gear box control  
6/8 speed automatic transmission HPxx

- throttle valve position
- Engine revolution
- Gear engaged
- Control unit power supply
- Inserted gear
- atmospheric pressure
- gear box oil temperature
- Power supply sensor
- Electronic control unit supply voltage
- Lock switch for starter
- Cooling agent temperature motor
- Shift-Lock Function
- mileage from the moment of switching on the lamp for failure
- Load, calculated value
- Actual Engine Torque
- Vehicle average speed
- Transmission oil temperature sensor voltage
- Engine speed actual value
- Electronic control unit power supply
- Steering column switch module
- Gearbox oil temperature
- Averaged vehicle speed
- Mileage since fault memory cleared
- Time since engine start
- Control units reset counter
- Transmission control unit temperature
- Pressure control solenoid valve 6
- Transmission oil temperature sensor voltage
- Number of faults after system test
- Internal control module temperature
- Number of overtemperature faults
- Steering wheel paddle -
- Steering wheel paddle
- Relative accelerator position
- Gear engaged
- Steering wheel paddle +, monitoring
- Steering wheel paddle -, monitoring
- Number of warming-up cycles since erasing of FSP
- Coolant overtemperature frequency
- Gearbox input moment
- Actuator power supply
- Turbine rotation speed
- Pressure-regulation magnetic valve 1
- Pressure-regulation magnetic valve 2
- Pressure-regulation magnetic valve 3
- Pressure control solenoid valve 4
- Pressure-regulation magnetic valve 5
- Gearbox output shaft speed
- Transmission output shaft speed 2
- Transmission output shaft Speed
- Engine speed limit
- Engine oil temperature sensor
- Shift lock solenoid valve
- Control unit overtemperature counter
- No. of oil overtemperature forced shut-offs
- Park/Neutral output signal
- Clutch A charging pressure
- Clutch B charging pressure
- Clutch C charging pressure
- Clutch D charging pressure
- Clutch E charging pressure
- Charging time - Clutch A
- Charging time - Clutch B
- Charging time - Clutch C
- Charging time - Clutch D
- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A

	<ul style="list-style-type: none"> <li>- Charging pressure counter - Clutch B</li> <li>- Charging pressure counter - Clutch C</li> <li>- Charging pressure counter - Clutch D</li> <li>- Charging pressure counter - Clutch E</li> </ul>
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Resistance side airbag driver's side</li> <li>- Resistance side airbag front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Knee bag driver side front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- Power supply open circuit</li> <li>- Driver side front seat position sensor: Current value</li> <li>- Passenger side front seat position sensor: Current value</li> <li>- System operating time</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> <li>- Front left head airbag</li> <li>- Front right head airbag</li> <li>- Rear left head airbag</li> <li>- Rear right head airbag</li> <li>- Rollover detection 1</li> <li>- Rollover detection 2</li> </ul> </li> </ul>
<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Power supply</li> <li>- Kilometer reading</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Number of actual errors</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

Underbody/Steering  
Air suspension 4.0

- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts
  - Drain pressure accumulator
  - Activate air suspension
- **Error memory**
- **Current values**
  - Longitudinal acceleration sensor
  - Vehicle driving speed
  - Car level (horizontality) sensor output: rear left
  - Car level (horizontality) sensor output: rear right
  - Car level (horizontality) sensor output: front left
  - Engine revolution
  - Control unit power supply
  - atmospheric pressure
  - Lateral acceleration sensor
  - Driving wheels angle
  - Battery voltage activation
  - Ambient temperature
  - Ignition/starter switch voltage
  - Status Diagnosis
  - Ignition status
  - air tank pressure
  - Pump motor temperature
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front left vehicle level sensor: Offset
  - Front right vehicle level sensor: Offset
  - Rear left vehicle level sensor: Offset
  - Rear right vehicle level sensor: Offset
  - Power supply vehicle level sensor, front left
  - Power supply vehicle level sensor, front right
  - Power supply vehicle level sensor, rear left
  - Power supply vehicle level sensor, rear right
  - Control unit current input
  - Vehicle level button: Raise
  - Vehicle level button: Lower
  - Air suspension compressor relay
  - Air suspension operating mode
  - Current input of LEDs
  - System control mode
  - Supply voltage status
  - Normal LED
  - Lift LED
  - Lower LED
  - Front left air spring valve current
  - Front right air spring valve current
  - Rear left air spring valve current
  - Rear right air spring valve current
  - Pressure accumulator valve current
  - Off-road LED
  - Air suspension switch
  - Entry mode LED
  - Outlet valve current
  - Front cross link valve
  - Rear cross link valve
  - Front cross link valve current
  - Rear cross link valve current
  - Terrain mode
  - Outlet valve
  - Door contact status
  - Cut-out signal status
  - Reveille
  - Pump temperature sensor
  - Steering column locking switch 1
  - Pressure sensor power supply
  - Compressor temperature
  - Pressure accumulator valve
  - Vehicle level sensor, front right

- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press
- Vehicle level button: Up, long press
- **Actuators**
  - Air suspension compressor relay
  - Pressure accumulator valve
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front cross link valve
  - Rear cross link valve
  - Outlet valve

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Air flap control motors
- **Error memory**
- **Current values**
  - Air conditioner electromagnetic clutch - compressor
  - Air conditioner compressor
  - Passenger compartment temperature
  - The ambient temperature
  - Vaporization temperature sensor
  - Electronic control unit supply voltage
  - Air conditioner system pressure
  - Engine control unit power supply
  - Heat exchanger temperature sensor, left
  - Heat exchanger temperature sensor, right
  - Ambient temperature
  - Odometer
  - Rear air conditioner request
  - Salon temperature sensor
  - Status of park heater
  - Current position air mix flap left
  - Current position air mix flap right
  - Relative humidity
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Sensor supply voltage
  - Front blower motor
  - Washer jet heating actuation
  - Air circulation flaps key button
  - Fresh air fan control
  - Current position fresh air / ventilation flap
  - Rear air mix flap actual position
  - Glow plug
  - Overheating sensor temperature
  - Operating time
  - Interior temperature
  - Rear blower voltage actual value
  - Auxiliary heating: Combustion blower
  - Auxiliary coolant pump valve status
  - Number of faults after system test
  - Automatic A/C button
  - Maximum defrost button
  - Front left seat heating button LED Stage 1
  - Front left seat heating button LED Stage 2
  - Front right seat heating button LED Stage 1
  - Front right seat heating button LED Stage 2

Heating / Air conditioner  
Automatic A/C 4.0

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- Auxiliary water pump
- Overheating sensor
- LED button AC
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Sun sensor left
- Sun sensor right
- Fuel preheating status
- Seat heating, left, button
- Seat heating, right, button
- Indicator lamp/mode switch Power
- AUTO button LED
- Set left heated seat temperature
- Set right heated seat temperature
- Economy mode, switch
- Rear blower, request
- LED rear window heating button
- Combustion air blower
- Flame detection
- Blower motor rear
- Air distribution Footwell/center
- Air distribution Defrost/footwell
- Heated windshield indicator lamp
- Supplem./auxiliary heater fuel pump
- Rear temperature preselection
- Heated windshield button
- Defrost/footwell air distributor button
- Evaporator temperature sensor rear
- Fresh/recirculated-air button LED
- Rear air distributor flap
- Auxiliary / supplementary heater power supply
- Left sunlight penetration photo-sensor
- Right sunlight penetration photo-sensor
- Rear A/C control Auto button
- MAX button AC
- LED button maximum cooling capacity
- Rear blower motor specified speed
- External carbon dioxide (CO2) sensor
- External nitrogen oxides (NOx) sensor
- Automatic blower control LED

Electrical energy management  
Battery management 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - Electronic control unit supply voltage
  - Alternator, current
  - Generator charge signal
  - Battery age
  - Calculated battery temperature
  - Battery relay
  - Battery charge/discharge current
  - Battery type
  - Average battery discharge (sleep)
  - Smoothed battery charge with ignition ON
  - Smoothed battery discharge with ignition OFF
  - Smoothed battery discharge with ignition ON
  - Number of resets due to battery change
  - Battery management: Estimated charge

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection

- Stop light, left
- Stop light, right
- Electronic control unit supply voltage
- Brake pedal switch
- Light switch
- Short lights, left
- Short lights, right
- Long lights, left
- Long lights, right
- Rear window wiper switch
- Switch Parking / Neutral
- Brakes linings wearing
- Rear deck unlocking
- Oil pressure switch
- External air temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Spare wheel sensor code
- Auxiliary lighting switch
- Relay for additional lamps
- Stand light relay
- Alarm LED
- Interior light switch
- Rear window washer system switch
- Alternator, current
- Emergency lights switch
- Trailer brake lights
- Trailer rear fog lights
- Interior lighting
- Sunroof position
- End position, rear wiper
- Fuel level signal 1
- Fuel level signal 2
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Sun roof motor 2
- Sun roof motor 1
- Electric fuel pump request
- Engine operation relay
- Start button status
- Engine start request
- Sun roof switch (to front)
- Sun roof switch (to rear)
- Fog lamp output signal
- Rear window wiper relay
- Windscreen heating relay
- Rear window defroster relay
- Windscreen wiper relay
- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left

Central electronics  
Central electronics 4.0

- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time
- TRIP button
- Rear right, tire pressure sensor fault status
- Rear left tire pressure sensor fault status
- Front right, tire pressure sensor fault status
- Front left, tire pressure sensor fault status
- Battery charge/discharge current
- Rear right antenna

	<ul style="list-style-type: none"> <li>- Rear left antenna</li> <li>- Front right antenna</li> <li>- Front left antenna</li> <li>- Coolant level switch</li> <li>- Interior central locking button Lock</li> <li>- Internal central locking button Unlock</li> <li>- Rear lid contact switch 1</li> <li>- Rear lid contact switch 2</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> </ul> </li> </ul>



Instrument cluster  
Instrument cluster 4.0

- Trailer turn sign. indicators, warning light
- Red warning lamp
- Yellow warning lamp
- Oil pressure control lamp
- HDC indicator lamp
- Glow control light
- Ambient light sensor
- Electronic control unit power supply
- Parking brake, warning light
- Yellow brake indicator lamp
- Red brake indicator lamp
- Control light airbag
- Headlight level control, control lamp
- Adaptive cruise control, control light
- Automatic headlights indicator lamp
- Tire pressure monitor indicator lamp
- Side lights, control light
- **Actuators**
  - Instrument cluster indication lamps

Parking assisting system  
Park Distance Control 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Electronic control unit supply voltage
  - Engine operation detected
  - Engine control unit power supply
  - Odometer
  - Park distance control system key
  - Distance left rear
  - Distance left centre rear
  - Distance right centre rear
  - Distance right rear
  - Distance, left front, outside
  - Distance, left front, inside
  - Distance, right front, inside
  - Distance, right front, outside
  - Distance sensor parking assistant front right
  - Distance sensor parking assistant front left
  - Engine start request
  - Status Diagnosis
  - Operating time
  - Interior temperature
  - Parking aid: system status
  - Parking aid: distance sensor, front left
  - Parking aid: distance sensor, front right
  - Parking aid: Rear left distance sensor decay time
  - Parking aid: Rear left center distance sensor decay time
  - Parking aid: Rear right center distance sensor decay time
  - Parking aid: Rear right distance sensor decay time
  - Parking aid: front left distance sensor decay time
  - Parking aid: front left center distance sensor decay time
  - Parking aid: front right center distance sensor decay time
  - Parking aid: front right distance sensor decay time
  - Muting by parking aid
  - Front right center distance sensor
  - Distance sensor, rear right center
  - Distance sensor, right rear
  - Distance sensor, left rear
  - Distance sensor, rear left center
  - Front left distance sensor
  - Front left center distance sensor
  - Front right distance sensor
  - Parking aid indicator lamp
  - Parking aid deactivation speed
  - Number of faults after system test

- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button
- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

All-wheel drive electronics  
Transfer case 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Engine revolution
  - Electronic control unit supply voltage
  - Control unit, Voltage sensor 1
  - Control unit, Voltage sensor 2
  - Transmission mode
  - Manual transm.: Gear stick position
  - Slip speed
  - Transfer case solenoid valve
  - Voltage servo motor (M+)
  - Voltage servo motor (M-)
  - Servo motor speed
  - Status Diagnosis
  - Motor current
  - Error frequency counter
  - Ignition starter switch status
  - Overtemperature protection
  - Specified clutch torque
  - 4WD HIGH position switch
  - Actual motor position angle
  - Control motor reset counter
  - Actuator position
  - Gear position sensor 1
  - Gear position sensor 2
  - Number of faults after system test
  - temperature sensor
  - Internal control module temperature
  - Transfer case Neutral
  - Control motor direction of rotation sensor voltage
  - Transfer case actual locking torque
  - Ignition key removal lock solenoid valve
  - Output shaft drive sensor 1
  - Gearbox output shaft speed
  - 4WD high range lamp
  - Motion sensor
  - Gear adaption status
  - Control motor temperature
  - Selector lever position sensor voltage
  - High gear engaged
  - Low gear engaged
  - 4WD LOW position switch
  - Low gear range warning lamp
  - High-Range indicator lamp voltage monitoring
  - Low-Range indicator lamp voltage monitoring
  - Direction of motor rotation, anti-clockwise
  - Direction of motor rotation, clockwise

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**

2006/09 - 2009/08	3.6 32V Lion	3.6	272	Airbag Airbag AB 4.0	<ul style="list-style-type: none"> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Resistance side airbag driver's side</li> <li>- Resistance side airbag front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Knee bag driver side front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- Power supply open circuit</li> <li>- Driver side front seat position sensor: Current value</li> <li>- Passenger side front seat position sensor: Current value</li> <li>- System operating time</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> <li>- Front left head airbag</li> <li>- Front right head airbag</li> <li>- Rear left head airbag</li> <li>- Rear right head airbag</li> <li>- Rollover detection 1</li> <li>- Rollover detection 2</li> </ul>
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**LAND ROVER** **Range Rover III - Range Rover III 4.4 TDV8 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Cylinder shutoff</li> <li>- Starting fault information</li> <li>- Idle speed comparison</li> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Empty set calibration for injector change</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Main injection quantity</li> <li>- Intake charge-air temperature</li> <li>- Coolant temperature sensor voltage</li> <li>- Intake air temperature sensor voltage</li> <li>- Fuel temperature</li> <li>- Exh.gases recirc.: pulse-duty factor</li> <li>- Engine revolution</li> <li>- atmospheric pressure</li> <li>- electric fuel pump</li> </ul> </li> </ul>

Engine control  
Diesel EDC 17CP11

- throttle valve regulator
- Glow timing control
- engine oil temperature
- Max speed limitation
- Rail pressure, nominal
- Rail pressure, actual
- Turbo pressure, actual value
- Engine oil level
- Pulse-duty factor, pressure regulation valve
- Fuel quantity metering device pulse-duty factor
- Air-mass 1
- Air mass 2
- Kilometer reading
- Gas pedal position sensor 1 (V)
- Gas pedal position sensor 2(V)
- Injection mass (norm)
- Ambient temperature
- Voltage fuel temperature
- Radiator fan 1 control
- Distance since last oil change
- Calculated gas pedal position
- Injection mass (actual value)
- No. of successful regen. operations
- Turboch.exhaust gas flow switch valve/specified value
- Turboch.exhaust gas flow switch valve/actual value
- Atmospheric pressure voltage sensor
- Voltage rail pressure sensor
- Ash content particle filter
- Distance since last regeneration
- Pre-injection actuation time 1
- Exhaust gas temperature before particle filter
- Exhaust gas temperature after particle filter
- Engine torque, specified value
- Pressure control valve regulating current
- Preliminary injection fuel quantity 1
- Status Particle filter-Regeneration
- Voltage exhaust gas difference pressure
- Voltage charge air temperature
- Camshaft / Crankshaft synchronization
- Pressure-regulation valve, triggering current nominal value
- Ambient temperature sensor
- Main injection actuation time
- Fuel high pressure control/quantity control
- Rail pressure deviation
- Carbon black depletion Particle filter
- Fuel suction control valve, control current
- Time from last regeneration
- Pressure control valve voltage
- Lambda sen.htg.circ.(B1,S1)duty cyc.
- EGR positioner 1
- EGR positioner 2
- Exhaust temp. sensor upstr. DPF (V)
- Exhaust gas temperature sensor 1 upstream of OXI
- CAT
- Exhaust gas temperature sensor 2 downstream of OXI
- CAT
- Exhaust gas temperature sensor 2 upstream of OXI
- CAT
- Exhaust gas recirculation 2 position set value
- Number of regeneration requests
- Charge pressure actuator 1 actual position
- Charge pressure actuator 1 specified position
- Engine oil dilution factor
- Boost pressure sensor 2 voltage
- Lambda value after turbocharger
- Exhaust gas temperature sensor after the DPF (V)
- **Actuators**
- Glow timing control
- Radiator fan. stage 2
- Exhausted gases signal lamp
- Throttle valve actuator
- Glow control light

	<ul style="list-style-type: none"> <li>- Control unit fan</li> <li>- Turbocharger exhaust gas flow switching valve</li> <li>- Turbocharger charge air switching valve</li> <li>- Turbocharger charge air changeover valve</li> </ul>
<p>All-wheel drive electronics All wheel drive electronics 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit power supply</li> <li>- Distance travelled in mode 1</li> <li>- Distance travelled in mode 2</li> <li>- Distance travelled in mode 3</li> <li>- Distance travelled in mode 4</li> <li>- Distance travelled in mode 5</li> <li>- Number of faults after system test</li> <li>- LED display 1</li> <li>- LED display 2</li> <li>- LED display 3</li> <li>- LED display 4</li> <li>- LED display 5</li> <li>- LED display 6</li> <li>- Mileage in dynamic mode</li> </ul> </li> </ul>
<p>Gear box control 6/8 speed automatic transmission HPxx</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Transmission adaptation</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- throttle valve position</li> <li>- Engine revolution</li> <li>- Gear engaged</li> <li>- Control unit power supply</li> <li>- Inserted gear</li> <li>- atmospheric pressure</li> <li>- gear box oil temperature</li> <li>- Power supply sensor</li> <li>- Electronic control unit supply voltage</li> <li>- Lock switch for starter</li> <li>- Cooling agent temperature motor</li> <li>- Shift-Lock Function</li> <li>- mileage from the moment of switching on the lamp for failure</li> <li>- Load, calculated value</li> <li>- Actual Engine Torque</li> <li>- Vehicle average speed</li> <li>- Transmission oil temperature sensor voltage</li> <li>- Engine speed actual value</li> <li>- Electronic control unit power supply</li> <li>- Steering column switch module</li> <li>- Gearbox oil temperature</li> <li>- Averaged vehicle speed</li> <li>- Mileage since fault memory cleared</li> <li>- Time since engine start</li> <li>- Control units reset counter</li> <li>- Transmission control unit temperature</li> <li>- Pressure control solenoid valve 6</li> <li>- Transmission oil temperature sensor voltage</li> <li>- Number of faults after system test</li> <li>- Internal control module temperature</li> <li>- Number of overtemperature faults</li> <li>- Steering wheel paddle -</li> <li>- Steering wheel paddle</li> <li>- Relative accelerator position</li> <li>- Gear engaged</li> <li>- Steering wheel paddle +, monitoring</li> <li>- Steering wheel paddle -, monitoring</li> </ul> </li> </ul>

- Number of warming-up cycles since erasing of FSP
- Coolant overtemperature frequency
- Gearbox input moment
- Actuator power supply
- Turbine rotation speed
- Pressure-regulation magnetic valve 1
- Pressure-regulation magnetic valve 2
- Pressure-regulation magnetic valve 3
- Pressure control solenoid valve 4
- Pressure-regulation magnetic valve 5
- Gearbox output shaft speed
- Transmission output shaft speed 2
- Transmission output shaft Speed
- Engine speed limit
- Engine oil temperature sensor
- Shift lock solenoid valve
- Control unit overtemperature counter
- No. of oil overtemperature forced shut-offs
- Park/Neutral output signal
- Clutch A charging pressure
- Clutch B charging pressure
- Clutch C charging pressure
- Clutch D charging pressure
- Clutch E charging pressure
- Charging time - Clutch A
- Charging time - Clutch B
- Charging time - Clutch C
- Charging time - Clutch D
- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A
- Charging pressure counter - Clutch B
- Charging pressure counter - Clutch C
- Charging pressure counter - Clutch D
- Charging pressure counter - Clutch E

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Resistance side airbag driver's side
  - Resistance side airbag front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Knee bag driver side front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - Power supply open circuit
  - Driver side front seat position sensor: Current value
  - Passenger side front seat position sensor: Current

	<p>value</p> <ul style="list-style-type: none"> <li>- System operating time</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> <li>- Front left head airbag</li> <li>- Front right head airbag</li> <li>- Rear left head airbag</li> <li>- Rear right head airbag</li> <li>- Rollover detection 1</li> <li>- Rollover detection 2</li> </ul>
<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Power supply</li> <li>- Kilometer reading</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Number of actual errors</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Drain air spring struts</li> <li>- Drain pressure accumulator</li> <li>- Activate air suspension</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Longitudinal acceleration sensor</li> <li>- Vehicle driving speed</li> <li>- Car level (horizontality) sensor output: rear left</li> <li>- Car level (horizontality) sensor output: rear right</li> <li>- Car level (horizontality) sensor output: front left</li> <li>- Engine revolution</li> <li>- Control unit power supply</li> <li>- atmospheric pressure</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> <li>- Battery voltage activation</li> <li>- Ambient temperature</li> <li>- Ignition/starter switch voltage</li> <li>- Status Diagnosis</li> <li>- Ignition status</li> <li>- air tank pressure</li> <li>- Pump motor temperature</li> <li>- Front left air spring valve</li> <li>- Front right air spring valve</li> <li>- Rear left air spring valve</li> <li>- Rear right air spring valve</li> <li>- Front left vehicle level sensor: Offset</li> <li>- Front right vehicle level sensor: Offset</li> <li>- Rear left vehicle level sensor: Offset</li> <li>- Rear right vehicle level sensor: Offset</li> <li>- Power supply vehicle level sensor, front left</li> <li>- Power supply vehicle level sensor, front right</li> <li>- Power supply vehicle level sensor, rear left</li> <li>- Power supply vehicle level sensor, rear right</li> </ul> </li> </ul>

Underbody/Steering  
Air suspension 4.0

- Control unit current input
- Vehicle level button: Raise
- Vehicle level button: Lower
- Air suspension compressor relay
- Air suspension operating mode
- Current input of LEDs
- System control mode
- Supply voltage status
- Normal LED
- Lift LED
- Lower LED
- Front left air spring valve current
- Front right air spring valve current
- Rear left air spring valve current
- Rear right air spring valve current
- Pressure accumulator valve current
- Off-road LED
- Air suspension switch
- Entry mode LED
- Outlet valve current
- Front cross link valve
- Rear cross link valve
- Front cross link valve current
- Rear cross link valve current
- Terrain mode
- Outlet valve
- Door contact status
- Cut-out signal status
- Reveille
- Pump temperature sensor
- Steering column locking switch 1
- Pressure sensor power supply
- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press
- Vehicle level button: Up, long press
- **Actuators**
  - Air suspension compressor relay
  - Pressure accumulator valve
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front cross link valve
  - Rear cross link valve
  - Outlet valve

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Air flap control motors
- **Error memory**
- **Current values**
  - Air conditioner electromagnetic clutch - compressor
  - Air conditioner compressor
  - Passenger compartment temperature
  - The ambient temperature
  - Vaporization temperature sensor
  - Electronic control unit supply voltage
  - Air conditioner system pressure



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Heating / Air conditioner  
Automatic A/C 4.0

- Engine control unit power supply
- Heat exchanger temperature sensor, left
- Heat exchanger temperature sensor, right
- Ambient temperature
- Odometer
- Rear air conditioner request
- Salon temperature sensor
- Status of park heater
- Current position air mix flap left
- Current position air mix flap right
- Relative humidity
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Sensor supply voltage
- Front blower motor
- Washer jet heating actuation
- Air circulation flaps key button
- Fresh air fan control
- Current position fresh air / ventilation flap
- Rear air mix flap actual position
- Glow plug
- Overheating sensor temperature
- Operating time
- Interior temperature
- Rear blower voltage actual value
- Auxiliary heating: Combustion blower
- Auxiliary coolant pump valve status
- Number of faults after system test
- Automatic A/C button
- Maximum defrost button
- Front left seat heating button LED Stage 1
- Front left seat heating button LED Stage 2
- Front right seat heating button LED Stage 1
- Front right seat heating button LED Stage 2
- Auxiliary water pump
- Overheating sensor
- LED button AC
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Sun sensor left
- Sun sensor right
- Fuel preheating status
- Seat heating, left, button
- Seat heating, right, button
- Indicator lamp/mode switch Power
- AUTO button LED
- Set left heated seat temperature
- Set right heated seat temperature
- Economy mode, switch
- Rear blower, request
- LED rear window heating button
- Combustion air blower
- Flame detection
- Blower motor rear
- Air distribution Footwell/center
- Air distribution Defrost/footwell
- Heated windshield indicator lamp
- Supplem./auxiliary heater fuel pump
- Rear temperature preselection
- Heated windshield button
- Defrost/footwell air distributor button
- Evaporator temperature sensor rear
- Fresh/recirculated-air button LED
- Rear air distributor flap
- Auxiliary / supplementary heater power supply
- Left sunlight penetration photo-sensor
- Right sunlight penetration photo-sensor
- Rear A/C control Auto button
- MAX button AC
- LED button maximum cooling capacity
- Rear blower motor specified speed

- External carbon dioxide (CO2) sensor
- External nitrogen oxides (NOx) sensor
- Automatic blower control LED

Electrical energy management  
Battery management 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - Electronic control unit supply voltage
  - Alternator, current
  - Generator charge signal
  - Battery age
  - Calculated battery temperature
  - Battery relay
  - Battery charge/discharge current
  - Battery type
  - Average battery discharge (sleep)
  - Smoothed battery charge with ignition ON
  - Smoothed battery discharge with ignition OFF
  - Smoothed battery discharge with ignition ON
  - Number of resets due to battery change
  - Battery management: Estimated charge

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection
  - Stop light, left
  - Stop light, right
  - Electronic control unit supply voltage
  - Brake pedal switch
  - Light switch
  - Short lights, left
  - Short lights, right
  - Long lights, left
  - Long lights, right
  - Rear window wiper switch
  - Switch Parking / Neutral
  - Brakes linings wearing
  - Rear deck unlocking
  - Oil pressure switch
  - External air temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Spare wheel sensor code
  - Auxiliary lighting switch
  - Relay for additional lamps
  - Stand light relay
  - Alarm LED
  - Interior light switch
  - Rear window washer system switch
  - Alternator, current
  - Emergency lights switch
  - Trailer brake lights
  - Trailer rear fog lights
  - Interior lighting
  - Sunroof position
  - End position, rear wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Sun roof motor 2

Central electronics  
Central electronics 4.0

- Sun roof motor 1
- Electric fuel pump request
- Engine operation relay
- Start button status
- Engine start request
- Sun roof switch (to front)
- Sun roof switch (to rear)
- Fog lamp output signal
- Rear window wiper relay
- Windscreen heating relay
- Rear window defroster relay
- Windscreen wiper relay
- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry

- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time
- TRIP button
- Rear right, tire pressure sensor fault status
- Rear left tire pressure sensor fault status
- Front right, tire pressure sensor fault status
- Front left, tire pressure sensor fault status
- Battery charge/discharge current
- Rear right antenna
- Rear left antenna
- Front right antenna
- Front left antenna
- Coolant level switch
- Interior central locking button Lock
- Internal central locking button Unlock
- Rear lid contact switch 1
- Rear lid contact switch 2
- Battery type
- Average battery discharge (sleep)
- Smoothed battery charge with ignition ON
- Smoothed battery discharge with ignition OFF
- Smoothed battery discharge with ignition ON
- Number of resets due to battery change
- Number of missing tire pressure monitoring sensors
- Battery management: Estimated charge
- Airbag control supply relay

Parking brake  
Electrical parking brake 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Tilt angle initialization
  - Parking brake service mode
  - Retract/relax parking brake
- **Error memory**
- **Current values**
  - Left front door
  - Right front door
  - Boot/hatchback
  - Left-rear door
  - Right rear door
  - Motor top
  - Actuators during vehicle operation
  - Longitudinal acceleration correction value
  - Motor current
  - Parking brake, warning light
  - Electronic parking brake button status
  - Longitudinal acceleration raw value

	<ul style="list-style-type: none"> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- Red warning lamp</li> <li>- Yellow warning lamp</li> <li>- Oil pressure control lamp</li> <li>- HDC indicator lamp</li> <li>- Glow control light</li> <li>- Ambient light sensor</li> <li>- Electronic control unit power supply</li> <li>- Parking brake, warning light</li> <li>- Yellow brake indicator lamp</li> <li>- Red brake indicator lamp</li> <li>- Control light airbag</li> <li>- Headlight level control, control lamp</li> <li>- Adaptive cruise control, control light</li> <li>- Automatic headlights indicator lamp</li> <li>- Tire pressure monitor indicator lamp</li> <li>- Side lights, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument cluster indication lamps</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Electronic control unit supply voltage</li> <li>- Engine operation detected</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Park distance control system key</li> <li>- Distance left rear</li> <li>- Distance left centre rear</li> <li>- Distance right centre rear</li> <li>- Distance right rear</li> <li>- Distance, left front, outside</li> <li>- Distance, left front, inside</li> </ul> </li> </ul>

Parking assisting system  
Park Distance Control 4.0

- Distance, right front, inside
  - Distance, right front, outside
  - Distance sensor parking assistant front right
  - Distance sensor parking assistant front left
  - Engine start request
  - Status Diagnosis
  - Operating time
  - Interior temperature
  - Parking aid: system status
  - Parking aid: distance sensor, front left
  - Parking aid: distance sensor, front right
  - Parking aid: Rear left distance sensor decay time
  - Parking aid: Rear left center distance sensor decay time
  - Parking aid: Rear right center distance sensor decay time
  - Parking aid: Rear right distance sensor decay time
  - Parking aid: front left distance sensor decay time
  - Parking aid: front left center distance sensor decay time
  - Parking aid: front right center distance sensor decay time
  - Parking aid: front right distance sensor decay time
  - Muting by parking aid
  - Front right center distance sensor
  - Distance sensor, rear right center
  - Distance sensor, right rear
  - Distance sensor, left rear
  - Distance sensor, rear left center
  - Front left distance sensor
  - Front left center distance sensor
  - Front right distance sensor
  - Parking aid indicator lamp
  - Parking aid deactivation speed
  - Number of faults after system test
  - Parking aid error status
  - Parking aid: Front distance sensor configuration
  - Parking aid: Trailer detection
  - Parking aid: Reverse gear engaged
  - Parking assistant indicator lamp
  - Parking assistant button
  - Rear distance sensor status
  - Front parking aid beep volume
  - Rear parking aid beep volume
  - Front right distance
  - Front left distance
  - Parking aid: Distance sensors
- **Actuators**
- Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Engine revolution
  - Electronic control unit supply voltage
  - Control unit, Voltage sensor 1
  - Control unit, Voltage sensor 2
  - Transmission mode
  - Manual transm.: Gear stick position
  - Slip speed
  - Transfer case solenoid valve
  - Voltage servo motor (M+)
  - Voltage servo motor (M-)
  - Servo motor speed
  - Status Diagnosis
  - Motor current
  - Error frequency counter

All-wheel drive electronics  
Transfer case 4.0

- Ignition starter switch status
- Overtemperature protection
- Specified clutch torque
- 4WD HIGH position switch
- Actual motor position angle
- Control motor reset counter
- Actuator position
- Gear position sensor 1
- Gear position sensor 2
- Number of faults after system test
- temperature sensor
- Internal control module temperature
- Transfer case Neutral
- Control motor direction of rotation sensor voltage
- Transfer case actual locking torque
- Ignition key removal lock solenoid valve
- Output shaft drive sensor 1
- Gearbox output shaft speed
- 4WD high range lamp
- Motion sensor
- Gear adaption status
- Control motor temperature
- Selector lever position sensor voltage
- High gear engaged
- Low gear engaged
- 4WD LOW position switch
- Low gear range warning lamp
- High-Range indicator lamp voltage monitoring
- Low-Range indicator lamp voltage monitoring
- Direction of motor rotation, anti-clockwise
- Direction of motor rotation, clockwise

**LAND ROVER** **Range Rover III - Range Rover III 5.0 V8 AWD**

Year	Engine	Liters	HP	System	Functions
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All-wheel drive electronics  
All wheel drive electronics 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - Electronic control unit power supply
  - Distance travelled in mode 1
  - Distance travelled in mode 2
  - Distance travelled in mode 3
  - Distance travelled in mode 4
  - Distance travelled in mode 5
  - Number of faults after system test
  - LED display 1
  - LED display 2
  - LED display 3
  - LED display 4
  - LED display 5
  - LED display 6
  - Mileage in dynamic mode

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Transmission adaptation
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - throttle valve position
  - Engine revolution
  - Gear engaged
  - Control unit power supply
  - Inserted gear
  - atmospheric pressure
  - gear box oil temperature

Gear box control  
6/8 speed automatic transmission HPxx

- Power supply sensor
- Electronic control unit supply voltage
- Lock switch for starter
- Cooling agent temperature motor
- Shift-Lock Function
- mileage from the moment of switching on the lamp for failure
- Load, calculated value
- Actual Engine Torque
- Vehicle average speed
- Transmission oil temperature sensor voltage
- Engine speed actual value
- Electronic control unit power supply
- Steering column switch module
- Gearbox oil temperature
- Averaged vehicle speed
- Mileage since fault memory cleared
- Time since engine start
- Control units reset counter
- Transmission control unit temperature
- Pressure control solenoid valve 6
- Transmission oil temperature sensor voltage
- Number of faults after system test
- Internal control module temperature
- Number of overtemperature faults
- Steering wheel paddle -
- Steering wheel paddle
- Relative accelerator position
- Gear engaged
- Steering wheel paddle +, monitoring
- Steering wheel paddle -, monitoring
- Number of warming-up cycles since erasing of FSP
- Coolant overtemperature frequency
- Gearbox input moment
- Actuator power supply
- Turbine rotation speed
- Pressure-regulation magnetic valve 1
- Pressure-regulation magnetic valve 2
- Pressure-regulation magnetic valve 3
- Pressure control solenoid valve 4
- Pressure-regulation magnetic valve 5
- Gearbox output shaft speed
- Transmission output shaft speed 2
- Transmission output shaft Speed
- Engine speed limit
- Engine oil temperature sensor
- Shift lock solenoid valve
- Control unit overtemperature counter
- No. of oil overtemperature forced shut-offs
- Park/Neutral output signal
- Clutch A charging pressure
- Clutch B charging pressure
- Clutch C charging pressure
- Clutch D charging pressure
- Clutch E charging pressure
- Charging time - Clutch A
- Charging time - Clutch B
- Charging time - Clutch C
- Charging time - Clutch D
- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A
- Charging pressure counter - Clutch B
- Charging pressure counter - Clutch C
- Charging pressure counter - Clutch D
- Charging pressure counter - Clutch E

- Identification
- Clear errors



Airbag  
Airbag AB 4.0

- **Error memory**
- **Current values**
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Resistance side airbag driver's side
  - Resistance side airbag front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Knee bag driver side front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - Power supply open circuit
  - Driver side front seat position sensor: Current value
  - Passenger side front seat position sensor: Current value
- value
  - System operating time
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor
  - Front left head airbag
  - Front right head airbag
  - Rear left head airbag
  - Rear right head airbag
  - Rollover detection 1
  - Rollover detection 2

Central module comfort  
Access/start authorization 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Power supply
  - Kilometer reading
  - Key 1
  - Key 2
  - Key 3
  - Key 4
  - Key 5
  - Number of actual errors
  - Switch 6
  - Switch 7
  - Switch 8

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts
  - Drain pressure accumulator
  - Activate air suspension

Underbody/Steering  
Air suspension 4.0

- **Error memory**
- **Current values**
  - Longitudinal acceleration sensor
  - Vehicle driving speed
  - Car level (horizontality) sensor output: rear left
  - Car level (horizontality) sensor output: rear right
  - Car level (horizontality) sensor output: front left
  - Engine revolution
  - Control unit power supply
  - atmospheric pressure
  - Lateral acceleration sensor
  - Driving wheels angle
  - Battery voltage activation
  - Ambient temperature
  - Ignition/starter switch voltage
  - Status Diagnosis
  - Ignition status
  - air tank pressure
  - Pump motor temperature
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front left vehicle level sensor: Offset
  - Front right vehicle level sensor: Offset
  - Rear left vehicle level sensor: Offset
  - Rear right vehicle level sensor: Offset
  - Power supply vehicle level sensor, front left
  - Power supply vehicle level sensor, front right
  - Power supply vehicle level sensor, rear left
  - Power supply vehicle level sensor, rear right
  - Control unit current input
  - Vehicle level button: Raise
  - Vehicle level button: Lower
  - Air suspension compressor relay
  - Air suspension operating mode
  - Current input of LEDs
  - System control mode
  - Supply voltage status
  - Normal LED
  - Lift LED
  - Lower LED
  - Front left air spring valve current
  - Front right air spring valve current
  - Rear left air spring valve current
  - Rear right air spring valve current
  - Pressure accumulator valve current
  - Off-road LED
  - Air suspension switch
  - Entry mode LED
  - Outlet valve current
  - Front cross link valve
  - Rear cross link valve
  - Front cross link valve current
  - Rear cross link valve current
  - Terrain mode
  - Outlet valve
  - Door contact status
  - Cut-out signal status
  - Reveille
  - Pump temperature sensor
  - Steering column locking switch 1
  - Pressure sensor power supply
  - Compressor temperature
  - Pressure accumulator valve
  - Vehicle level sensor, front right
  - Front left vehicle level
  - Front right vehicle level
  - Rear left vehicle level
  - Rear right vehicle level
  - Status Wake-Up Signal
  - Level control status
  - Compressed air sensor 1 voltage

Heating / Air conditioner  
Automatic A/C 4.0

- Access level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press
- Vehicle level button: Up, long press

• **Actuators**

- Air suspension compressor relay
- Pressure accumulator valve
- Front left air spring valve
- Front right air spring valve
- Rear left air spring valve
- Rear right air spring valve
- Front cross link valve
- Rear cross link valve
- Outlet valve

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Air flap control motors

• **Error memory**

• **Current values**

- Air conditioner electromagnetic clutch - compressor
- Air conditioner compressor
- Passenger compartment temperature
- The ambient temperature
- Vaporization temperature sensor
- Electronic control unit supply voltage
- Air conditioner system pressure
- Engine control unit power supply
- Heat exchanger temperature sensor, left
- Heat exchanger temperature sensor, right
- Ambient temperature
- Odometer
- Rear air conditioner request
- Salon temperature sensor
- Status of park heater
- Current position air mix flap left
- Current position air mix flap right
- Relative humidity
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Sensor supply voltage
- Front blower motor
- Washer jet heating actuation
- Air circulation flaps key button
- Fresh air fan control
- Current position fresh air / ventilation flap
- Rear air mix flap actual position
- Glow plug
- Overheating sensor temperature
- Operating time
- Interior temperature
- Rear blower voltage actual value
- Auxiliary heating: Combustion blower
- Auxiliary coolant pump valve status
- Number of faults after system test
- Automatic A/C button
- Maximum defrost button
- Front left seat heating button LED Stage 1
- Front left seat heating button LED Stage 2
- Front right seat heating button LED Stage 1
- Front right seat heating button LED Stage 2
- Auxiliary water pump
- Overheating sensor
- LED button AC
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Sun sensor left

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Electrical energy management  
Battery management 4.0

- Sun sensor right
- Fuel preheating status
- Seat heating, left, button
- Seat heating, right, button
- Indicator lamp/mode switch Power
- AUTO button LED
- Set left heated seat temperature
- Set right heated seat temperature
- Economy mode, switch
- Rear blower, request
- LED rear window heating button
- Combustion air blower
- Flame detection
- Blower motor rear
- Air distribution Footwell/center
- Air distribution Defrost/footwell
- Heated windshield indicator lamp
- Supplem./auxiliary heater fuel pump
- Rear temperature preselection
- Heated windshield button
- Defrost/footwell air distributor button
- Evaporator temperature sensor rear
- Fresh/recirculated-air button LED
- Rear air distributor flap
- Auxiliary / supplementary heater power supply
- Left sunlight penetration photo-sensor
- Right sunlight penetration photo-sensor
- Rear A/C control Auto button
- MAX button AC
- LED button maximum cooling capacity
- Rear blower motor specified speed
- External carbon dioxide (CO2) sensor
- External nitrogen oxides (NOx) sensor
- Automatic blower control LED

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - Electronic control unit supply voltage
  - Alternator, current
  - Generator charge signal
  - Battery age
  - Calculated battery temperature
  - Battery relay
  - Battery charge/discharge current
  - Battery type
  - Average battery discharge (sleep)
  - Smoothed battery charge with ignition ON
  - Smoothed battery discharge with ignition OFF
  - Smoothed battery discharge with ignition ON
  - Number of resets due to battery change
  - Battery management: Estimated charge

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection
  - Stop light, left
  - Stop light, right
  - Electronic control unit supply voltage
  - Brake pedal switch
  - Light switch
  - Short lights, left
  - Short lights, right
  - Long lights, left

Central electronics  
Central electronics 4.0

- Long lights, right
- Rear window wiper switch
- Switch Parking / Neutral
- Brakes linings wearing
- Rear deck unlocking
- Oil pressure switch
- External air temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Spare wheel sensor code
- Auxiliary lighting switch
- Relay for additional lamps
- Stand light relay
- Alarm LED
- Interior light switch
- Rear window washer system switch
- Alternator, current
- Emergency lights switch
- Trailer brake lights
- Trailer rear fog lights
- Interior lighting
- Sunroof position
- End position, rear wiper
- Fuel level signal 1
- Fuel level signal 2
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Sun roof motor 2
- Sun roof motor 1
- Electric fuel pump request
- Engine operation relay
- Start button status
- Engine start request
- Sun roof switch (to front)
- Sun roof switch (to rear)
- Fog lamp output signal
- Rear window wiper relay
- Windscreen heating relay
- Rear window defroster relay
- Windscreen wiper relay
- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment

- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time
- TRIP button
- Rear right, tire pressure sensor fault status
- Rear left tire pressure sensor fault status
- Front right, tire pressure sensor fault status
- Front left, tire pressure sensor fault status
- Battery charge/discharge current
- Rear right antenna
- Rear left antenna
- Front right antenna
- Front left antenna
- Coolant level switch
- Interior central locking button Lock
- Internal central locking button Unlock
- Rear lid contact switch 1
- Rear lid contact switch 2

	<ul style="list-style-type: none"> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- Red warning lamp</li> <li>- Yellow warning lamp</li> <li>- Oil pressure control lamp</li> <li>- HDC indicator lamp</li> <li>- Glow control light</li> <li>- Ambient light sensor</li> <li>- Electronic control unit power supply</li> </ul> </li> </ul>

- Parking brake, warning light
- Yellow brake indicator lamp
- Red brake indicator lamp
- Control light airbag
- Headlight level control, control lamp
- Adaptive cruise control, control light
- Automatic headlights indicator lamp
- Tire pressure monitor indicator lamp
- Side lights, control light

• **Actuators**

- Instrument cluster indication lamps

• **Identification**

• **Clear errors**

• **Functional tests**

- System self test

• **Error memory**

• **Current values**

- The ambient temperature
- Electronic control unit supply voltage
- Engine operation detected
- Engine control unit power supply
- Odometer
- Park distance control system key
- Distance left rear
- Distance left centre rear
- Distance right centre rear
- Distance right rear
- Distance, left front, outside
- Distance, left front, inside
- Distance, right front, inside
- Distance, right front, outside
- Distance sensor parking assistant front right
- Distance sensor parking assistant front left
- Engine start request
- Status Diagnosis
- Operating time
- Interior temperature
- Parking aid: system status
- Parking aid: distance sensor, front left
- Parking aid: distance sensor, front right
- Parking aid: Rear left distance sensor decay time
- Parking aid: Rear left center distance sensor decay time
- Parking aid: Rear right center distance sensor decay time
- Parking aid: Rear right distance sensor decay time
- Parking aid: front left distance sensor decay time
- Parking aid: front left center distance sensor decay time
- Parking aid: front right center distance sensor decay time
- Parking aid: front right distance sensor decay time
- Muting by parking aid
- Front right center distance sensor
- Distance sensor, rear right center
- Distance sensor, right rear
- Distance sensor, left rear
- Distance sensor, rear left center
- Front left distance sensor
- Front left center distance sensor
- Front right distance sensor
- Parking aid indicator lamp
- Parking aid deactivation speed
- Number of faults after system test
- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button
- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume

Parking assisting system  
Park Distance Control 4.0





All-wheel drive electronics  
All wheel drive electronics 4.0

- Distance travelled in mode 2
- Distance travelled in mode 3
- Distance travelled in mode 4
- Distance travelled in mode 5
- Number of faults after system test
- LED display 1
- LED display 2
- LED display 3
- LED display 4
- LED display 5
- LED display 6
- Mileage in dynamic mode

Gear box control  
6/8 speed automatic transmission HPxx

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Transmission adaptation
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - throttle valve position
  - Engine revolution
  - Gear engaged
  - Control unit power supply
  - Inserted gear
  - atmospheric pressure
  - gear box oil temperature
  - Power supply sensor
  - Electronic control unit supply voltage
  - Lock switch for starter
  - Cooling agent temperature motor
  - Shift-Lock Function
  - mileage from the moment of switching on the lamp for failure
  - Load, calculated value
  - Actual Engine Torque
  - Vehicle average speed
  - Transmission oil temperature sensor voltage
  - Engine speed actual value
  - Electronic control unit power supply
  - Steering column switch module
  - Gearbox oil temperature
  - Averaged vehicle speed
  - Mileage since fault memory cleared
  - Time since engine start
  - Control units reset counter
  - Transmission control unit temperature
  - Pressure control solenoid valve 6
  - Transmission oil temperature sensor voltage
  - Number of faults after system test
  - Internal control module temperature
  - Number of overtemperature faults
  - Steering wheel paddle -
  - Steering wheel paddle
  - Relative accelerator position
  - Gear engaged
  - Steering wheel paddle +, monitoring
  - Steering wheel paddle -, monitoring
  - Number of warming-up cycles since erasing of FSP
  - Coolant overtemperature frequency
  - Gearbox input moment
  - Actuator power supply
  - Turbine rotation speed
  - Pressure-regulation magnetic valve 1
  - Pressure-regulation magnetic valve 2
  - Pressure-regulation magnetic valve 3
  - Pressure control solenoid valve 4
  - Pressure-regulation magnetic valve 5
  - Gearbox output shaft speed
  - Transmission output shaft speed 2
  - Transmission output shaft Speed

- Engine speed limit
- Engine oil temperature sensor
- Shift lock solenoid valve
- Control unit overtemperature counter
- No. of oil overtemperature forced shut-offs
- Park/Neutral output signal
- Clutch A charging pressure
- Clutch B charging pressure
- Clutch C charging pressure
- Clutch D charging pressure
- Clutch E charging pressure
- Charging time - Clutch A
- Charging time - Clutch B
- Charging time - Clutch C
- Charging time - Clutch D
- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A
- Charging pressure counter - Clutch B
- Charging pressure counter - Clutch C
- Charging pressure counter - Clutch D
- Charging pressure counter - Clutch E

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Resistance side airbag driver's side
  - Resistance side airbag front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Knee bag driver side front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - Power supply open circuit
  - Driver side front seat position sensor: Current value
  - Passenger side front seat position sensor: Current value
- System operating time
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor
- Front left head airbag
- Front right head airbag
- Rear left head airbag

	<ul style="list-style-type: none"> <li>- Rear right head airbag</li> <li>- Rollover detection 1</li> <li>- Rollover detection 2</li> </ul>
<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Power supply</li> <li>- Kilometer reading</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Number of actual errors</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> </ul> </li> </ul>
<p>Underbody/Steering Air suspension 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Drain air spring struts</li> <li>- Drain pressure accumulator</li> <li>- Activate air suspension</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Longitudinal acceleration sensor</li> <li>- Vehicle driving speed</li> <li>- Car level (horizontality) sensor output: rear left</li> <li>- Car level (horizontality) sensor output: rear right</li> <li>- Car level (horizontality) sensor output: front left</li> <li>- Engine revolution</li> <li>- Control unit power supply</li> <li>- atmospheric pressure</li> <li>- Lateral acceleration sensor</li> <li>- Driving wheels angle</li> <li>- Battery voltage activation</li> <li>- Ambient temperature</li> <li>- Ignition/starter switch voltage</li> <li>- Status Diagnosis</li> <li>- Ignition status</li> <li>- air tank pressure</li> <li>- Pump motor temperature</li> <li>- Front left air spring valve</li> <li>- Front right air spring valve</li> <li>- Rear left air spring valve</li> <li>- Rear right air spring valve</li> <li>- Front left vehicle level sensor: Offset</li> <li>- Front right vehicle level sensor: Offset</li> <li>- Rear left vehicle level sensor: Offset</li> <li>- Rear right vehicle level sensor: Offset</li> <li>- Power supply vehicle level sensor, front left</li> <li>- Power supply vehicle level sensor, front right</li> <li>- Power supply vehicle level sensor, rear left</li> <li>- Power supply vehicle level sensor, rear right</li> <li>- Control unit current input</li> <li>- Vehicle level button: Raise</li> <li>- Vehicle level button: Lower</li> <li>- Air suspension compressor relay</li> <li>- Air suspension operating mode</li> <li>- Current input of LEDs</li> <li>- System control mode</li> <li>- Supply voltage status</li> <li>- Normal LED</li> <li>- Lift LED</li> <li>- Lower LED</li> <li>- Front left air spring valve current</li> </ul> </li> </ul>

- Front right air spring valve current
- Rear left air spring valve current
- Rear right air spring valve current
- Pressure accumulator valve current
- Off-road LED
- Air suspension switch
- Entry mode LED
- Outlet valve current
- Front cross link valve
- Rear cross link valve
- Front cross link valve current
- Rear cross link valve current
- Terrain mode
- Outlet valve
- Door contact status
- Cut-out signal status
- Reveille
- Pump temperature sensor
- Steering column locking switch 1
- Pressure sensor power supply
- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press
- Vehicle level button: Up, long press
- **Actuators**
  - Air suspension compressor relay
  - Pressure accumulator valve
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front cross link valve
  - Rear cross link valve
  - Outlet valve

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Air flap control motors
- **Error memory**
- **Current values**
  - Air conditioner electromagnetic clutch - compressor
  - Air conditioner compressor
  - Passenger compartment temperature
  - The ambient temperature
  - Vaporization temperature sensor
  - Electronic control unit supply voltage
  - Air conditioner system pressure
  - Engine control unit power supply
  - Heat exchanger temperature sensor, left
  - Heat exchanger temperature sensor, right
  - Ambient temperature
  - Odometer
  - Rear air conditioner request
  - Salon temperature sensor
  - Status of park heater
  - Current position air mix flap left
  - Current position air mix flap right
  - Relative humidity
  - Air distribution button upwards

Heating / Air conditioner  
Automatic A/C 4.0

- Air distribution button center
- Air distribution button downward
- Sensor supply voltage
- Front blower motor
- Washer jet heating actuation
- Air circulation flaps key button
- Fresh air fan control
- Current position fresh air / ventilation flap
- Rear air mix flap actual position
- Glow plug
- Overheating sensor temperature
- Operating time
- Interior temperature
- Rear blower voltage actual value
- Auxiliary heating: Combustion blower
- Auxiliary coolant pump valve status
- Number of faults after system test
- Automatic A/C button
- Maximum defrost button
- Front left seat heating button LED Stage 1
- Front left seat heating button LED Stage 2
- Front right seat heating button LED Stage 1
- Front right seat heating button LED Stage 2
- Auxiliary water pump
- Overheating sensor
- LED button AC
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Sun sensor left
- Sun sensor right
- Fuel preheating status
- Seat heating, left, button
- Seat heating, right, button
- Indicator lamp/mode switch Power
- AUTO button LED
- Set left heated seat temperature
- Set right heated seat temperature
- Economy mode, switch
- Rear blower, request
- LED rear window heating button
- Combustion air blower
- Flame detection
- Blower motor rear
- Air distribution Footwell/center
- Air distribution Defrost/footwell
- Heated windshield indicator lamp
- Supplem./auxiliary heater fuel pump
- Rear temperature preselection
- Heated windshield button
- Defrost/footwell air distributor button
- Evaporator temperature sensor rear
- Fresh/recirculated-air button LED
- Rear air distributor flap
- Auxiliary / supplementary heater power supply
- Left sunlight penetration photo-sensor
- Right sunlight penetration photo-sensor
- Rear A/C control Auto button
- MAX button AC
- LED button maximum cooling capacity
- Rear blower motor specified speed
- External carbon dioxide (CO2) sensor
- External nitrogen oxides (NOx) sensor
- Automatic blower control LED

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Battery replacement

• **Error memory**

• **Current values**

- Battery voltage
- Electronic control unit supply voltage

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Electrical energy management  
Battery management 4.0

- Alternator, current
- Generator charge signal
- Battery age
- Calculated battery temperature
- Battery relay
- Battery charge/discharge current
- Battery type
- Average battery discharge (sleep)
- Smoothed battery charge with ignition ON
- Smoothed battery discharge with ignition OFF
- Smoothed battery discharge with ignition ON
- Number of resets due to battery change
- Battery management: Estimated charge

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection
  - Stop light, left
  - Stop light, right
  - Electronic control unit supply voltage
  - Brake pedal switch
  - Light switch
  - Short lights, left
  - Short lights, right
  - Long lights, left
  - Long lights, right
  - Rear window wiper switch
  - Switch Parking / Neutral
  - Brakes linings wearing
  - Rear deck unlocking
  - Oil pressure switch
  - External air temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Spare wheel sensor code
  - Auxiliary lighting switch
  - Relay for additional lamps
  - Stand light relay
  - Alarm LED
  - Interior light switch
  - Rear window washer system switch
  - Alternator, current
  - Emergency lights switch
  - Trailer brake lights
  - Trailer rear fog lights
  - Interior lighting
  - Sunroof position
  - End position, rear wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Sun roof motor 2
  - Sun roof motor 1
  - Electric fuel pump request
  - Engine operation relay
  - Start button status
  - Engine start request
  - Sun roof switch (to front)
  - Sun roof switch (to rear)
  - Fog lamp output signal
  - Rear window wiper relay
  - Windscreen heating relay
  - Rear window defroster relay
  - Windscreen wiper relay

Central electronics  
Central electronics 4.0

- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay



	<ul style="list-style-type: none"> <li>- Rear window washer relay</li> <li>- Hall sensor 1 sunroof</li> <li>- Hall sensor 2 Sunroof</li> <li>- Washer fluid level switch</li> <li>- Trailer left indicator actuation</li> <li>- Trailer right indicator actuation</li> <li>- CAN bus, wake-up signal</li> <li>- Battery relay</li> <li>- Retained accessory power relay</li> <li>- Steering column adjustment switch</li> <li>- Steering column longitudinal position sensor</li> <li>- Steering column height position sensor</li> <li>- Luggage compartment lock release</li> <li>- Left daylight running light</li> <li>- Rear daylight running light</li> <li>- Front windshield wiper, interval wipe time</li> <li>- TRIP button</li> <li>- Rear right, tire pressure sensor fault status</li> <li>- Rear left tire pressure sensor fault status</li> <li>- Front right, tire pressure sensor fault status</li> <li>- Front left, tire pressure sensor fault status</li> <li>- Battery charge/discharge current</li> <li>- Rear right antenna</li> <li>- Rear left antenna</li> <li>- Front right antenna</li> <li>- Front left antenna</li> <li>- Coolant level switch</li> <li>- Interior central locking button Lock</li> <li>- Internal central locking button Unlock</li> <li>- Rear lid contact switch 1</li> <li>- Rear lid contact switch 2</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

	<ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- Red warning lamp</li> <li>- Yellow warning lamp</li> <li>- Oil pressure control lamp</li> <li>- HDC indicator lamp</li> <li>- Glow control light</li> <li>- Ambient light sensor</li> <li>- Electronic control unit power supply</li> <li>- Parking brake, warning light</li> <li>- Yellow brake indicator lamp</li> <li>- Red brake indicator lamp</li> <li>- Control light airbag</li> <li>- Headlight level control, control lamp</li> <li>- Adaptive cruise control, control light</li> <li>- Automatic headlights indicator lamp</li> <li>- Tire pressure monitor indicator lamp</li> <li>- Side lights, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument cluster indication lamps</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Electronic control unit supply voltage</li> <li>- Engine operation detected</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Park distance control system key</li> <li>- Distance left rear</li> <li>- Distance left centre rear</li> <li>- Distance right centre rear</li> <li>- Distance right rear</li> <li>- Distance, left front, outside</li> <li>- Distance, left front, inside</li> <li>- Distance, right front, inside</li> <li>- Distance, right front, outside</li> <li>- Distance sensor parking assistant front right</li> <li>- Distance sensor parking assistant front left</li> <li>- Engine start request</li> <li>- Status Diagnosis</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Parking aid: system status</li> <li>- Parking aid: distance sensor, front left</li> <li>- Parking aid: distance sensor, front right</li> <li>- Parking aid: Rear left distance sensor decay time</li> </ul> </li> </ul>

Parking assisting system  
Park Distance Control 4.0

- Parking aid: Rear left center distance sensor decay time
- Parking aid: Rear right center distance sensor decay time
- Parking aid: Rear right distance sensor decay time
- Parking aid: front left distance sensor decay time
- Parking aid: front left center distance sensor decay time
- Parking aid: front right center distance sensor decay time
- Parking aid: front right distance sensor decay time
- Muting by parking aid
- Front right center distance sensor
- Distance sensor, rear right center
- Distance sensor, right rear
- Distance sensor, left rear
- Distance sensor, rear left center
- Front left distance sensor
- Front left center distance sensor
- Front right distance sensor
- Parking aid indicator lamp
- Parking aid deactivation speed
- Number of faults after system test
- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button
- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

All-wheel drive electronics  
Transfer case 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Engine revolution
  - Electronic control unit supply voltage
  - Control unit, Voltage sensor 1
  - Control unit, Voltage sensor 2
  - Transmission mode
  - Manual transm.: Gear stick position
  - Slip speed
  - Transfer case solenoid valve
  - Voltage servo motor (M+)
  - Voltage servo motor (M-)
  - Servo motor speed
  - Status Diagnosis
  - Motor current
  - Error frequency counter
  - Ignition starter switch status
  - Overtemperature protection
  - Specified clutch torque
  - 4WD HIGH position switch
  - Actual motor position angle
  - Control motor reset counter
  - Actuator position
  - Gear position sensor 1
  - Gear position sensor 2
  - Number of faults after system test
  - temperature sensor
  - Internal control module temperature
  - Transfer case Neutral

- Control motor direction of rotation sensor voltage
- Transfer case actual locking torque
- Ignition key removal lock solenoid valve
- Output shaft drive sensor 1
- Gearbox output shaft speed
- 4WD high range lamp
- Motion sensor
- Gear adaption status
- Control motor temperature
- Selector lever position sensor voltage
- High gear engaged
- Low gear engaged
- 4WD LOW position switch
- Low gear range warning lamp
- High-Range indicator lamp voltage monitoring
- Low-Range indicator lamp voltage monitoring
- Direction of motor rotation, anti-clockwise
- Direction of motor rotation, clockwise

**LAND ROVER** **Range Rover Sport II - Range Rover Sport II 3.0 TDV6 AWD**

Year	Engine	Liters	HP	System	Functions
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				Engine control	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Cylinder shutoff</li> <li>- Starting fault information</li> <li>- Idle speed comparison</li> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Empty set calibration for injector change</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Main injection quantity</li> <li>- Intake charge-air temperature</li> <li>- Coolant temperature sensor voltage</li> <li>- Intake air temperature sensor voltage</li> <li>- Fuel temperature</li> <li>- Exh.gases recirc.: pulse-duty factor</li> <li>- Engine revolution</li> <li>- atmospheric pressure</li> <li>- electric fuel pump</li> <li>- throttle valve regulator</li> <li>- Glow timing control</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Rail pressure, nominal</li> <li>- Rail pressure, actual</li> <li>- Turbo pressure, actual value</li> <li>- Engine oil level</li> <li>- Pulse-duty factor, pressure regulation valve</li> <li>- Fuel quantity metering device pulse-duty factor</li> <li>- Air-mass 1</li> <li>- Air mass 2</li> <li>- Kilometer reading</li> <li>- Gas pedal position sensor 1 (V)</li> <li>- Gas pedal position sensor 2(V)</li> <li>- Injection mass (norm)</li> <li>- Ambient temperature</li> <li>- Voltage fuel temperature</li> <li>- Radiator fan 1 control</li> <li>- Distance since last oil change</li> <li>- Calculated gas pedal position</li> <li>- Injection mass (actual value)</li> <li>- No. of successful regen. operations</li> <li>- Turboch.exhaust gas flow switch valve/specified value</li> <li>- Turboch.exhaust gas flow switch valve/actual value</li> <li>- Atmospheric pressure voltage sensor</li> <li>- Voltage rail pressure sensor</li> <li>- Ash content particle filter</li> </ul> </li> </ul>
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Diesel EDC 17CP11

- Distance since last regeneration
- Pre-injection actuation time 1
- Exhaust gas temperature before particle filter
- Exhaust gas temperature after particle filter
- Engine torque, specified value
- Pressure control valve regulating current
- Preliminary injection fuel quantity 1
- Status Particle filter-Regeneration
- Voltage exhaust gas difference pressure
- Voltage charge air temperature
- Camshaft / Crankshaft synchronization
- Pressure-regulation valve, triggering current nominal value
- Ambient temperature sensor
- Main injection actuation time
- Fuel high pressure control/quantity control
- Rail pressure deviation
- Carbon black depletion Particle filter
- Fuel suction control valve, control current
- Time from last regeneration
- Pressure control valve voltage
- Lambda sen.htg.circ.(B1,S1)duty cyc.
- EGR positioner 1
- EGR positioner 2
- Exhaust temp. sensor upstr. DPF (V)
- Exhaust gas temperature sensor 1 upstream of OXI CAT
- Exhaust gas temperature sensor 2 downstream of OXI CAT
- Exhaust gas temperature sensor 2 upstream of OXI CAT
- Exhaust gas recirculation 2 position set value
- Number of regeneration requests
- Charge pressure actuator 1 actual position
- Charge pressure actuator 1 specified position
- Engine oil dilution factor
- Boost pressure sensor 2 voltage
- Lambda value after turbocharger
- Exhaust gas temperature sensor after the DPF (V)
- **Actuators**
  - Glow timing control
  - Radiator fan. stage 2
  - Exhausted gases signal lamp
  - Throttle valve actuator
  - Glow control light
  - Control unit fan
  - Turbocharger exhaust gas flow switching valve
  - Turbocharger charge air switching valve
  - Turbocharger charge air changeover valve

All-wheel drive electronics  
All wheel drive electronics 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - Electronic control unit power supply
  - Distance travelled in mode 1
  - Distance travelled in mode 2
  - Distance travelled in mode 3
  - Distance travelled in mode 4
  - Distance travelled in mode 5
  - Number of faults after system test
  - LED display 1
  - LED display 2
  - LED display 3
  - LED display 4
  - LED display 5
  - LED display 6
  - Mileage in dynamic mode

- **Identification**
- **Clear errors**

Gear box control  
6/8 speed automatic transmission HPxx

- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Transmission adaptation
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - throttle valve position
  - Engine revolution
  - Gear engaged
  - Control unit power supply
  - Inserted gear
  - atmospheric pressure
  - gear box oil temperature
  - Power supply sensor
  - Electronic control unit supply voltage
  - Lock switch for starter
  - Cooling agent temperature motor
  - Shift-Lock Function
  - mileage from the moment of switching on the lamp for failure
  - Load, calculated value
  - Actual Engine Torque
  - Vehicle average speed
  - Transmission oil temperature sensor voltage
  - Engine speed actual value
  - Electronic control unit power supply
  - Steering column switch module
  - Gearbox oil temperature
  - Averaged vehicle speed
  - Mileage since fault memory cleared
  - Time since engine start
  - Control units reset counter
  - Transmission control unit temperature
  - Pressure control solenoid valve 6
  - Transmission oil temperature sensor voltage
  - Number of faults after system test
  - Internal control module temperature
  - Number of overtemperature faults
  - Steering wheel paddle -
  - Steering wheel paddle
  - Relative accelerator position
  - Gear engaged
  - Steering wheel paddle +, monitoring
  - Steering wheel paddle -, monitoring
  - Number of warming-up cycles since erasing of FSP
  - Coolant overtemperature frequency
  - Gearbox input moment
  - Actuator power supply
  - Turbine rotation speed
  - Pressure-regulation magnetic valve 1
  - Pressure-regulation magnetic valve 2
  - Pressure-regulation magnetic valve 3
  - Pressure control solenoid valve 4
  - Pressure-regulation magnetic valve 5
  - Gearbox output shaft speed
  - Transmission output shaft speed 2
  - Transmission output shaft Speed
  - Engine speed limit
  - Engine oil temperature sensor
  - Shift lock solenoid valve
  - Control unit overtemperature counter
  - No. of oil overtemperature forced shut-offs
  - Park/Neutral output signal
  - Clutch A charging pressure
  - Clutch B charging pressure
  - Clutch C charging pressure
  - Clutch D charging pressure
  - Clutch E charging pressure
  - Charging time - Clutch A
  - Charging time - Clutch B
  - Charging time - Clutch C
  - Charging time - Clutch D

- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A
- Charging pressure counter - Clutch B
- Charging pressure counter - Clutch C
- Charging pressure counter - Clutch D
- Charging pressure counter - Clutch E

Airbag  
Airbag AB 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Resistance side airbag driver's side
  - Resistance side airbag front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Knee bag driver side front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - Power supply open circuit
  - Driver side front seat position sensor: Current value
  - Passenger side front seat position sensor: Current value
- value
  - System operating time
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor
  - Front left head airbag
  - Front right head airbag
  - Rear left head airbag
  - Rear right head airbag
  - Rollover detection 1
  - Rollover detection 2

Central module comfort  
Access/start authorization 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Power supply
  - Kilometer reading
  - Key 1
  - Key 2
  - Key 3
  - Key 4

- Key 5
- Number of actual errors
- Switch 6
- Switch 7
- Switch 8

Underbody/Steering  
Air suspension 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts
  - Drain pressure accumulator
  - Activate air suspension
- **Error memory**
- **Current values**
  - Longitudinal acceleration sensor
  - Vehicle driving speed
  - Car level (horizontality) sensor output: rear left
  - Car level (horizontality) sensor output: rear right
  - Car level (horizontality) sensor output: front left
  - Engine revolution
  - Control unit power supply
  - atmospheric pressure
  - Lateral acceleration sensor
  - Driving wheels angle
  - Battery voltage activation
  - Ambient temperature
  - Ignition/starter switch voltage
  - Status Diagnosis
  - Ignition status
  - air tank pressure
  - Pump motor temperature
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front left vehicle level sensor: Offset
  - Front right vehicle level sensor: Offset
  - Rear left vehicle level sensor: Offset
  - Rear right vehicle level sensor: Offset
  - Power supply vehicle level sensor, front left
  - Power supply vehicle level sensor, front right
  - Power supply vehicle level sensor, rear left
  - Power supply vehicle level sensor, rear right
  - Control unit current input
  - Vehicle level button: Raise
  - Vehicle level button: Lower
  - Air suspension compressor relay
  - Air suspension operating mode
  - Current input of LEDs
  - System control mode
  - Supply voltage status
  - Normal LED
  - Lift LED
  - Lower LED
  - Front left air spring valve current
  - Front right air spring valve current
  - Rear left air spring valve current
  - Rear right air spring valve current
  - Pressure accumulator valve current
  - Off-road LED
  - Air suspension switch
  - Entry mode LED
  - Outlet valve current
  - Front cross link valve
  - Rear cross link valve
  - Front cross link valve current
  - Rear cross link valve current
  - Terrain mode
  - Outlet valve
  - Door contact status
  - Cut-out signal status



- Reveille
- Pump temperature sensor
- Steering column locking switch 1
- Pressure sensor power supply
- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press
- Vehicle level button: Up, long press
- **Actuators**
  - Air suspension compressor relay
  - Pressure accumulator valve
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front cross link valve
  - Rear cross link valve
  - Outlet valve

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Air flap control motors
- **Error memory**
- **Current values**
  - Air conditioner electromagnetic clutch - compressor
  - Air conditioner compressor
  - Passenger compartment temperature
  - The ambient temperature
  - Vaporization temperature sensor
  - Electronic control unit supply voltage
  - Air conditioner system pressure
  - Engine control unit power supply
  - Heat exchanger temperature sensor, left
  - Heat exchanger temperature sensor, right
  - Ambient temperature
  - Odometer
  - Rear air conditioner request
  - Salon temperature sensor
  - Status of park heater
  - Current position air mix flap left
  - Current position air mix flap right
  - Relative humidity
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Sensor supply voltage
  - Front blower motor
  - Washer jet heating actuation
  - Air circulation flaps key button
  - Fresh air fan control
  - Current position fresh air / ventilation flap
  - Rear air mix flap actual position
  - Glow plug
  - Overheating sensor temperature
  - Operating time
  - Interior temperature
  - Rear blower voltage actual value
  - Auxiliary heating: Combustion blower

2009/09	306DT	3.0	211 - 256	Heating / Air conditioner Automatic A/C 4.0	<ul style="list-style-type: none"> <li>- Auxiliary coolant pump valve status</li> <li>- Number of faults after system test</li> <li>- Automatic A/C button</li> <li>- Maximum defrost button</li> <li>- Front left seat heating button LED Stage 1</li> <li>- Front left seat heating button LED Stage 2</li> <li>- Front right seat heating button LED Stage 1</li> <li>- Front right seat heating button LED Stage 2</li> <li>- Auxiliary water pump</li> <li>- Overheating sensor</li> <li>- LED button AC</li> <li>- Upward air distribution button LED</li> <li>- Downward air distribut. button LED</li> <li>- Center air distribution button LED</li> <li>- Sun sensor left</li> <li>- Sun sensor right</li> <li>- Fuel preheating status</li> <li>- Seat heating, left, button</li> <li>- Seat heating, right, button</li> <li>- Indicator lamp/mode switch Power</li> <li>- AUTO button LED</li> <li>- Set left heated seat temperature</li> <li>- Set right heated seat temperature</li> <li>- Economy mode, switch</li> <li>- Rear blower, request</li> <li>- LED rear window heating button</li> <li>- Combustion air blower</li> <li>- Flame detection</li> <li>- Blower motor rear</li> <li>- Air distribution Footwell/center</li> <li>- Air distribution Defrost/footwell</li> <li>- Heated windshield indicator lamp</li> <li>- Supplem./auxiliary heater fuel pump</li> <li>- Rear temperature preselection</li> <li>- Heated windshield button</li> <li>- Defrost/footwell air distributor button</li> <li>- Evaporator temperature sensor rear</li> <li>- Fresh/recirculated-air button LED</li> <li>- Rear air distributor flap</li> <li>- Auxiliary / supplementary heater power supply</li> <li>- Left sunlight penetration photo-sensor</li> <li>- Right sunlight penetration photo-sensor</li> <li>- Rear A/C control Auto button</li> <li>- MAX button AC</li> <li>- LED button maximum cooling capacity</li> <li>- Rear blower motor specified speed</li> <li>- External carbon dioxide (CO2) sensor</li> <li>- External nitrogen oxides (NOx) sensor</li> <li>- Automatic blower control LED</li> </ul>
				Electrical energy management Battery management 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Electronic control unit supply voltage</li> <li>- Alternator, current</li> <li>- Generator charge signal</li> <li>- Battery age</li> <li>- Calculated battery temperature</li> <li>- Battery relay</li> <li>- Battery charge/discharge current</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Battery management: Estimated charge</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection
  - Stop light, left
  - Stop light, right
  - Electronic control unit supply voltage
  - Brake pedal switch
  - Light switch
  - Short lights, left
  - Short lights, right
  - Long lights, left
  - Long lights, right
  - Rear window wiper switch
  - Switch Parking / Neutral
  - Brakes linings wearing
  - Rear deck unlocking
  - Oil pressure switch
  - External air temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Spare wheel sensor code
  - Auxiliary lighting switch
  - Relay for additional lamps
  - Stand light relay
  - Alarm LED
  - Interior light switch
  - Rear window washer system switch
  - Alternator, current
  - Emergency lights switch
  - Trailer brake lights
  - Trailer rear fog lights
  - Interior lighting
  - Sunroof position
  - End position, rear wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Sun roof motor 2
  - Sun roof motor 1
  - Electric fuel pump request
  - Engine operation relay
  - Start button status
  - Engine start request
  - Sun roof switch (to front)
  - Sun roof switch (to rear)
  - Fog lamp output signal
  - Rear window wiper relay
  - Windscreen heating relay
  - Rear window defroster relay
  - Windscreen wiper relay
  - Windshield washer system switch
  - Door contact, rear left door
  - Door contact, rear right door
  - Rear deck release switch
  - Main beam switch
  - Headlight flasher switch
  - Brake pedal switch signal
  - Seat occupation sensor front passenger's side front
  - Front left indicator actuation
  - Front right indicator actuation
  - Rear left indicator actuation
  - Rear right indicator actuation
  - Headlight washer pump relay
  - Fuel pump relay
  - Fog light switch
  - Status light control

Central electronics  
Central electronics 4.0

- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time

	<ul style="list-style-type: none"> <li>- TRIP button</li> <li>- Rear right, tire pressure sensor fault status</li> <li>- Rear left tire pressure sensor fault status</li> <li>- Front right, tire pressure sensor fault status</li> <li>- Front left, tire pressure sensor fault status</li> <li>- Battery charge/discharge current</li> <li>- Rear right antenna</li> <li>- Rear left antenna</li> <li>- Front right antenna</li> <li>- Front left antenna</li> <li>- Coolant level switch</li> <li>- Interior central locking button Lock</li> <li>- Internal central locking button Unlock</li> <li>- Rear lid contact switch 1</li> <li>- Rear lid contact switch 2</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> </ul> </li> </ul>

Instrument cluster  
Instrument cluster 4.0

- ABS control light
- ASR/ESP control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Trailer turn sign. indicators, warning light
- Red warning lamp
- Yellow warning lamp
- Oil pressure control lamp
- HDC indicator lamp
- Glow control light
- Ambient light sensor
- Electronic control unit power supply
- Parking brake, warning light
- Yellow brake indicator lamp
- Red brake indicator lamp
- Control light airbag
- Headlight level control, control lamp
- Adaptive cruise control, control light
- Automatic headlights indicator lamp
- Tire pressure monitor indicator lamp
- Side lights, control light
- **Actuators**
  - Instrument cluster indication lamps

Parking assisting system  
Park Distance Control 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Electronic control unit supply voltage
  - Engine operation detected
  - Engine control unit power supply
  - Odometer
  - Park distance control system key
  - Distance left rear
  - Distance left centre rear
  - Distance right centre rear
  - Distance right rear
  - Distance, left front, outside
  - Distance, left front, inside
  - Distance, right front, inside
  - Distance, right front, outside
  - Distance sensor parking assistant front right
  - Distance sensor parking assistant front left
  - Engine start request
  - Status Diagnosis
  - Operating time
  - Interior temperature
  - Parking aid: system status
  - Parking aid: distance sensor, front left
  - Parking aid: distance sensor, front right
  - Parking aid: Rear left distance sensor decay time
  - Parking aid: Rear left center distance sensor decay time
  - Parking aid: Rear right center distance sensor decay time
  - Parking aid: Rear right distance sensor decay time
  - Parking aid: front left distance sensor decay time
  - Parking aid: front left center distance sensor decay time
  - Parking aid: front right center distance sensor decay time
  - Parking aid: front right distance sensor decay time
  - Muting by parking aid
  - Front right center distance sensor
  - Distance sensor, rear right center
  - Distance sensor, right rear

All-wheel drive electronics  
Transfer case 4.0

- Distance sensor, left rear
- Distance sensor, rear left center
- Front left distance sensor
- Front left center distance sensor
- Front right distance sensor
- Parking aid indicator lamp
- Parking aid deactivation speed
- Number of faults after system test
- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button
- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Engine revolution
  - Electronic control unit supply voltage
  - Control unit, Voltage sensor 1
  - Control unit, Voltage sensor 2
  - Transmission mode
  - Manual transm.: Gear stick position
  - Slip speed
  - Transfer case solenoid valve
  - Voltage servo motor (M+)
  - Voltage servo motor (M-)
  - Servo motor speed
  - Status Diagnosis
  - Motor current
  - Error frequency counter
  - Ignition starter switch status
  - Overtemperature protection
  - Specified clutch torque
  - 4WD HIGH position switch
  - Actual motor position angle
  - Control motor reset counter
  - Actuator position
  - Gear position sensor 1
  - Gear position sensor 2
  - Number of faults after system test
  - temperature sensor
  - Internal control module temperature
  - Transfer case Neutral
  - Control motor direction of rotation sensor voltage
  - Transfer case actual locking torque
  - Ignition key removal lock solenoid valve
  - Output shaft drive sensor 1
  - Gearbox output shaft speed
  - 4WD high range lamp
  - Motion sensor
  - Gear adaption status
  - Control motor temperature
  - Selector lever position sensor voltage
  - High gear engaged
  - Low gear engaged
  - 4WD LOW position switch
  - Low gear range warning lamp
  - High-Range indicator lamp voltage monitoring

- Low-Range indicator lamp voltage monitoring
- Direction of motor rotation, anti-clockwise
- Direction of motor rotation, clockwise

**LAND ROVER** **Range Rover Sport II - Range Rover Sport II 3.0 SDV6 AWD**

Year	Engine	Liters	HP	System	Functions
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				<p>Engine control Diesel EDC 17CP11</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Cylinder shutoff</li> <li>- Starting fault information</li> <li>- Idle speed comparison</li> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Empty set calibration for injector change</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Main injection quantity</li> <li>- Intake charge-air temperature</li> <li>- Coolant temperature sensor voltage</li> <li>- Intake air temperature sensor voltage</li> <li>- Fuel temperature</li> <li>- Exh.gases recirc.: pulse-duty factor</li> <li>- Engine revolution</li> <li>- atmospheric pressure</li> <li>- electric fuel pump</li> <li>- throttle valve regulator</li> <li>- Glow timing control</li> <li>- engine oil temperature</li> <li>- Max speed limitation</li> <li>- Rail pressure, nominal</li> <li>- Rail pressure, actual</li> <li>- Turbo pressure, actual value</li> <li>- Engine oil level</li> <li>- Pulse-duty factor, pressure regulation valve</li> <li>- Fuel quantity metering device pulse-duty factor</li> <li>- Air-mass 1</li> <li>- Air mass 2</li> <li>- Kilometer reading</li> <li>- Gas pedal position sensor 1 (V)</li> <li>- Gas pedal position sensor 2(V)</li> <li>- Injection mass (norm)</li> <li>- Ambient temperature</li> <li>- Voltage fuel temperature</li> <li>- Radiator fan 1 control</li> <li>- Distance since last oil change</li> <li>- Calculated gas pedal position</li> <li>- Injection mass (actual value)</li> <li>- No. of successful regen. operations</li> <li>- Turboch.exhaust gas flow switch valve/specified value</li> <li>- Turboch.exhaust gas flow switch valve/actual value</li> <li>- Atmospheric pressure voltage sensor</li> <li>- Voltage rail pressure sensor</li> <li>- Ash content particle filter</li> <li>- Distance since last regeneration</li> <li>- Pre-injection actuation time 1</li> <li>- Exhaust gas temperature before particle filter</li> <li>- Exhaust gas temperature after particle filter</li> <li>- Engine torque, specified value</li> <li>- Pressure control valve regulating current</li> <li>- Preliminary injection fuel quantity 1</li> <li>- Status Particle filter-Regeneration</li> <li>- Voltage exhaust gas difference pressure</li> <li>- Voltage charge air temperature</li> <li>- Camshaft / Crankshaft synchronization</li> <li>- Pressure-regulation valve, triggering current nominal value</li> <li>- Ambient temperature sensor</li> <li>- Main injection actuation time</li> </ul> </li> </ul>
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- Fuel high pressure control/quantity control
- Rail pressure deviation
- Carbon black depletion Particle filter
- Fuel suction control valve, control current
- Time from last regeneration
- Pressure control valve voltage
- Lambda sen.htg.circ.(B1,S1)duty cyc.
- EGR positioner 1
- EGR positioner 2
- Exhaust temp. sensor upstr. DPF (V)
- Exhaust gas temperature sensor 1 upstream of OXI
- CAT
- Exhaust gas temperature sensor 2 downstream of OXI
- CAT
- Exhaust gas temperature sensor 2 upstream of OXI
- CAT
- Exhaust gas recirculation 2 position set value
- Number of regeneration requests
- Charge pressure actuator 1 actual position
- Charge pressure actuator 1 specified position
- Engine oil dilution factor
- Boost pressure sensor 2 voltage
- Lambda value after turbocharger
- Exhaust gas temperature sensor after the DPF (V)
- **Actuators**
- Glow timing control
- Radiator fan. stage 2
- Exhausted gases signal lamp
- Throttle valve actuator
- Glow control light
- Control unit fan
- Turbocharger exhaust gas flow switching valve
- Turbocharger charge air switching valve
- Turbocharger charge air changeover valve

All-wheel drive electronics  
All wheel drive electronics 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - Electronic control unit power supply
  - Distance travelled in mode 1
  - Distance travelled in mode 2
  - Distance travelled in mode 3
  - Distance travelled in mode 4
  - Distance travelled in mode 5
  - Number of faults after system test
  - LED display 1
  - LED display 2
  - LED display 3
  - LED display 4
  - LED display 5
  - LED display 6
  - Mileage in dynamic mode

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Transmission adaptation
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - throttle valve position
  - Engine revolution
  - Gear engaged
  - Control unit power supply
  - Inserted gear
  - atmospheric pressure
  - gear box oil temperature
  - Power supply sensor

Gear box control  
6/8 speed automatic transmission HPxx

- Electronic control unit supply voltage
- Lock switch for starter
- Cooling agent temperature motor
- Shift-Lock Function
- mileage from the moment of switching on the lamp for failure
- Load, calculated value
- Actual Engine Torque
- Vehicle average speed
- Transmission oil temperature sensor voltage
- Engine speed actual value
- Electronic control unit power supply
- Steering column switch module
- Gearbox oil temperature
- Averaged vehicle speed
- Mileage since fault memory cleared
- Time since engine start
- Control units reset counter
- Transmission control unit temperature
- Pressure control solenoid valve 6
- Transmission oil temperature sensor voltage
- Number of faults after system test
- Internal control module temperature
- Number of overtemperature faults
- Steering wheel paddle -
- Steering wheel paddle
- Relative accelerator position
- Gear engaged
- Steering wheel paddle +, monitoring
- Steering wheel paddle -, monitoring
- Number of warming-up cycles since erasing of FSP
- Coolant overtemperature frequency
- Gearbox input moment
- Actuator power supply
- Turbine rotation speed
- Pressure-regulation magnetic valve 1
- Pressure-regulation magnetic valve 2
- Pressure-regulation magnetic valve 3
- Pressure control solenoid valve 4
- Pressure-regulation magnetic valve 5
- Gearbox output shaft speed
- Transmission output shaft speed 2
- Transmission output shaft Speed
- Engine speed limit
- Engine oil temperature sensor
- Shift lock solenoid valve
- Control unit overtemperature counter
- No. of oil overtemperature forced shut-offs
- Park/Neutral output signal
- Clutch A charging pressure
- Clutch B charging pressure
- Clutch C charging pressure
- Clutch D charging pressure
- Clutch E charging pressure
- Charging time - Clutch A
- Charging time - Clutch B
- Charging time - Clutch C
- Charging time - Clutch D
- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A
- Charging pressure counter - Clutch B
- Charging pressure counter - Clutch C
- Charging pressure counter - Clutch D
- Charging pressure counter - Clutch E

- Identification
- Clear errors
- Error memory

Airbag  
Airbag AB 4.0

- **Current values**
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Resistance side airbag driver's side
  - Resistance side airbag front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Knee bag driver side front
  - Status Diagnosis
  - Driver seat, position sensor
  - Airbag system status
  - Resistance ZK1 front airbag driver's side
  - Resistance ZK2 front airbag driver's side
  - Resistance ZK1 front airbag front passenger's side
  - Resistance ZK2 front airbag front passenger's side
  - Power supply open circuit
  - Driver side front seat position sensor: Current value
  - Passenger side front seat position sensor: Current value
- value
  - System operating time
  - Driver side, front belt sensor fault status
  - Occupant detection status
  - Impact detected
  - Collision information
  - Capacitor voltage
  - Passenger side, front belt sensor fault status
  - Passenger side, airbag switch fault status
  - Passenger seat position sensor
  - Front left head airbag
  - Front right head airbag
  - Rear left head airbag
  - Rear right head airbag
  - Rollover detection 1
  - Rollover detection 2

Central module comfort  
Access/start authorization 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Power supply
  - Kilometer reading
  - Key 1
  - Key 2
  - Key 3
  - Key 4
  - Key 5
  - Number of actual errors
  - Switch 6
  - Switch 7
  - Switch 8

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts
  - Drain pressure accumulator
  - Activate air suspension
- **Error memory**

Underbody/Steering  
Air suspension 4.0

• **Current values**

- Longitudinal acceleration sensor
- Vehicle driving speed
- Car level (horizontality) sensor output: rear left
- Car level (horizontality) sensor output: rear right
- Car level (horizontality) sensor output: front left
- Engine revolution
- Control unit power supply
- atmospheric pressure
- Lateral acceleration sensor
- Driving wheels angle
- Battery voltage activation
- Ambient temperature
- Ignition/starter switch voltage
- Status Diagnosis
- Ignition status
- air tank pressure
- Pump motor temperature
- Front left air spring valve
- Front right air spring valve
- Rear left air spring valve
- Rear right air spring valve
- Front left vehicle level sensor: Offset
- Front right vehicle level sensor: Offset
- Rear left vehicle level sensor: Offset
- Rear right vehicle level sensor: Offset
- Power supply vehicle level sensor, front left
- Power supply vehicle level sensor, front right
- Power supply vehicle level sensor, rear left
- Power supply vehicle level sensor, rear right
- Control unit current input
- Vehicle level button: Raise
- Vehicle level button: Lower
- Air suspension compressor relay
- Air suspension operating mode
- Current input of LEDs
- System control mode
- Supply voltage status
- Normal LED
- Lift LED
- Lower LED
- Front left air spring valve current
- Front right air spring valve current
- Rear left air spring valve current
- Rear right air spring valve current
- Pressure accumulator valve current
- Off-road LED
- Air suspension switch
- Entry mode LED
- Outlet valve current
- Front cross link valve
- Rear cross link valve
- Front cross link valve current
- Rear cross link valve current
- Terrain mode
- Outlet valve
- Door contact status
- Cut-out signal status
- Reveille
- Pump temperature sensor
- Steering column locking switch 1
- Pressure sensor power supply
- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button

				<ul style="list-style-type: none"> <li>- Compressor temperature sensor voltage</li> <li>- Crawl mode LED</li> <li>- Setting mode</li> <li>- Normal mode</li> <li>- Vehicle level button: Down, long press</li> <li>- Vehicle level button: Up, long press</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Air suspension compressor relay</li> <li>- Pressure accumulator valve</li> <li>- Front left air spring valve</li> <li>- Front right air spring valve</li> <li>- Rear left air spring valve</li> <li>- Rear right air spring valve</li> <li>- Front cross link valve</li> <li>- Rear cross link valve</li> <li>- Outlet valve</li> </ul> </li> </ul>
2011/06	306DT	3.0	256	<p>Heating / Air conditioner Automatic A/C 4.0</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Air flap control motors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Air conditioner electromagnetic clutch - compressor</li> <li>- Air conditioner compressor</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Vaporization temperature sensor</li> <li>- Electronic control unit supply voltage</li> <li>- Air conditioner system pressure</li> <li>- Engine control unit power supply</li> <li>- Heat exchanger temperature sensor, left</li> <li>- Heat exchanger temperature sensor, right</li> <li>- Ambient temperature</li> <li>- Odometer</li> <li>- Rear air conditioner request</li> <li>- Salon temperature sensor</li> <li>- Status of park heater</li> <li>- Current position air mix flap left</li> <li>- Current position air mix flap right</li> <li>- Relative humidity</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Sensor supply voltage</li> <li>- Front blower motor</li> <li>- Washer jet heating actuation</li> <li>- Air circulation flaps key button</li> <li>- Fresh air fan control</li> <li>- Current position fresh air / ventilation flap</li> <li>- Rear air mix flap actual position</li> <li>- Glow plug</li> <li>- Overheating sensor temperature</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Rear blower voltage actual value</li> <li>- Auxiliary heating: Combustion blower</li> <li>- Auxiliary coolant pump valve status</li> <li>- Number of faults after system test</li> <li>- Automatic A/C button</li> <li>- Maximum defrost button</li> <li>- Front left seat heating button LED Stage 1</li> <li>- Front left seat heating button LED Stage 2</li> <li>- Front right seat heating button LED Stage 1</li> <li>- Front right seat heating button LED Stage 2</li> <li>- Auxiliary water pump</li> <li>- Overheating sensor</li> <li>- LED button AC</li> <li>- Upward air distribution button LED</li> <li>- Downward air distribut. button LED</li> <li>- Center air distribution button LED</li> <li>- Sun sensor left</li> <li>- Sun sensor right</li> </ul> </li> </ul>

- Fuel preheating status
- Seat heating, left, button
- Seat heating, right, button
- Indicator lamp/mode switch Power
- AUTO button LED
- Set left heated seat temperature
- Set right heated seat temperature
- Economy mode, switch
- Rear blower, request
- LED rear window heating button
- Combustion air blower
- Flame detection
- Blower motor rear
- Air distribution Footwell/center
- Air distribution Defrost/footwell
- Heated windshield indicator lamp
- Supplem./auxiliary heater fuel pump
- Rear temperature preselection
- Heated windshield button
- Defrost/footwell air distributor button
- Evaporator temperature sensor rear
- Fresh/recirculated-air button LED
- Rear air distributor flap
- Auxiliary / supplementary heater power supply
- Left sunlight penetration photo-sensor
- Right sunlight penetration photo-sensor
- Rear A/C control Auto button
- MAX button AC
- LED button maximum cooling capacity
- Rear blower motor specified speed
- External carbon dioxide (CO2) sensor
- External nitrogen oxides (NOx) sensor
- Automatic blower control LED

Electrical energy management  
Battery management 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - Electronic control unit supply voltage
  - Alternator, current
  - Generator charge signal
  - Battery age
  - Calculated battery temperature
  - Battery relay
  - Battery charge/discharge current
  - Battery type
  - Average battery discharge (sleep)
  - Smoothed battery charge with ignition ON
  - Smoothed battery discharge with ignition OFF
  - Smoothed battery discharge with ignition ON
  - Number of resets due to battery change
  - Battery management: Estimated charge

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection
  - Stop light, left
  - Stop light, right
  - Electronic control unit supply voltage
  - Brake pedal switch
  - Light switch
  - Short lights, left
  - Short lights, right
  - Long lights, left

Central electronics  
Central electronics 4.0

- Long lights, right
- Rear window wiper switch
- Switch Parking / Neutral
- Brakes linings wearing
- Rear deck unlocking
- Oil pressure switch
- External air temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Spare wheel sensor code
- Auxiliary lighting switch
- Relay for additional lamps
- Stand light relay
- Alarm LED
- Interior light switch
- Rear window washer system switch
- Alternator, current
- Emergency lights switch
- Trailer brake lights
- Trailer rear fog lights
- Interior lighting
- Sunroof position
- End position, rear wiper
- Fuel level signal 1
- Fuel level signal 2
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Sun roof motor 2
- Sun roof motor 1
- Electric fuel pump request
- Engine operation relay
- Start button status
- Engine start request
- Sun roof switch (to front)
- Sun roof switch (to rear)
- Fog lamp output signal
- Rear window wiper relay
- Windscreen heating relay
- Rear window defroster relay
- Windscreen wiper relay
- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment

- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time
- TRIP button
- Rear right, tire pressure sensor fault status
- Rear left tire pressure sensor fault status
- Front right, tire pressure sensor fault status
- Front left, tire pressure sensor fault status
- Battery charge/discharge current
- Rear right antenna
- Rear left antenna
- Front right antenna
- Front left antenna
- Coolant level switch
- Interior central locking button Lock
- Internal central locking button Unlock
- Rear lid contact switch 1
- Rear lid contact switch 2



	<ul style="list-style-type: none"> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- Red warning lamp</li> <li>- Yellow warning lamp</li> <li>- Oil pressure control lamp</li> <li>- HDC indicator lamp</li> <li>- Glow control light</li> <li>- Ambient light sensor</li> <li>- Electronic control unit power supply</li> <li>- Parking brake, warning light</li> <li>- Yellow brake indicator lamp</li> <li>- Red brake indicator lamp</li> <li>- Control light airbag</li> <li>- Headlight level control, control lamp</li> <li>- Adaptive cruise control, control light</li> <li>- Automatic headlights indicator lamp</li> <li>- Tire pressure monitor indicator lamp</li> <li>- Side lights, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument cluster indication lamps</li> </ul> </li> </ul>

Parking assisting system  
Park Distance Control 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Electronic control unit supply voltage
  - Engine operation detected
  - Engine control unit power supply
  - Odometer
  - Park distance control system key
  - Distance left rear
  - Distance left centre rear
  - Distance right centre rear
  - Distance right rear
  - Distance, left front, outside
  - Distance, left front, inside
  - Distance, right front, inside
  - Distance, right front, outside
  - Distance sensor parking assistant front right
  - Distance sensor parking assistant front left
  - Engine start request
  - Status Diagnosis
  - Operating time
  - Interior temperature
  - Parking aid: system status
  - Parking aid: distance sensor, front left
  - Parking aid: distance sensor, front right
  - Parking aid: Rear left distance sensor decay time
  - Parking aid: Rear left center distance sensor decay time
  - Parking aid: Rear right center distance sensor decay time
  - Parking aid: Rear right distance sensor decay time
  - Parking aid: front left distance sensor decay time
  - Parking aid: front left center distance sensor decay time
  - Parking aid: front right center distance sensor decay time
  - Parking aid: front right distance sensor decay time
  - Muting by parking aid
  - Front right center distance sensor
  - Distance sensor, rear right center
  - Distance sensor, right rear
  - Distance sensor, left rear
  - Distance sensor, rear left center
  - Front left distance sensor
  - Front left center distance sensor
  - Front right distance sensor
  - Parking aid indicator lamp
  - Parking aid deactivation speed
  - Number of faults after system test
  - Parking aid error status
  - Parking aid: Front distance sensor configuration
  - Parking aid: Trailer detection
  - Parking aid: Reverse gear engaged
  - Parking assistant indicator lamp
  - Parking assistant button
  - Rear distance sensor status
  - Front parking aid beep volume
  - Rear parking aid beep volume
  - Front right distance
  - Front left distance
  - Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

• **Identification**

All-wheel drive electronics  
Transfer case 4.0

- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Engine revolution
  - Electronic control unit supply voltage
  - Control unit, Voltage sensor 1
  - Control unit, Voltage sensor 2
  - Transmission mode
  - Manual transm.: Gear stick position
  - Slip speed
  - Transfer case solenoid valve
  - Voltage servo motor (M+)
  - Voltage servo motor (M-)
  - Servo motor speed
  - Status Diagnosis
  - Motor current
  - Error frequency counter
  - Ignition starter switch status
  - Overtemperature protection
  - Specified clutch torque
  - 4WD HIGH position switch
  - Actual motor position angle
  - Control motor reset counter
  - Actuator position
  - Gear position sensor 1
  - Gear position sensor 2
  - Number of faults after system test
  - temperature sensor
  - Internal control module temperature
  - Transfer case Neutral
  - Control motor direction of rotation sensor voltage
  - Transfer case actual locking torque
  - Ignition key removal lock solenoid valve
  - Output shaft drive sensor 1
  - Gearbox output shaft speed
  - 4WD high range lamp
  - Motion sensor
  - Gear adaption status
  - Control motor temperature
  - Selector lever position sensor voltage
  - High gear engaged
  - Low gear engaged
  - 4WD LOW position switch
  - Low gear range warning lamp
  - High-Range indicator lamp voltage monitoring
  - Low-Range indicator lamp voltage monitoring
  - Direction of motor rotation, anti-clockwise
  - Direction of motor rotation, clockwise

LAND ROVER

Range Rover Sport II - Range Rover Sport II 5.0 V8 SC AWD

Year

Engine

Liters

HP

System

Functions

All-wheel drive electronics  
All wheel drive electronics 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - Electronic control unit power supply
  - Distance travelled in mode 1
  - Distance travelled in mode 2
  - Distance travelled in mode 3
  - Distance travelled in mode 4
  - Distance travelled in mode 5
  - Number of faults after system test
  - LED display 1
  - LED display 2
  - LED display 3
  - LED display 4

- LED display 5
- LED display 6
- Mileage in dynamic mode

Gear box control  
6/8 speed automatic transmission HPxx

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Transmission adaptation
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - throttle valve position
  - Engine revolution
  - Gear engaged
  - Control unit power supply
  - Inserted gear
  - atmospheric pressure
  - gear box oil temperature
  - Power supply sensor
  - Electronic control unit supply voltage
  - Lock switch for starter
  - Cooling agent temperature motor
  - Shift-Lock Function
  - mileage from the moment of switching on the lamp for failure
  - Load, calculated value
  - Actual Engine Torque
  - Vehicle average speed
  - Transmission oil temperature sensor voltage
  - Engine speed actual value
  - Electronic control unit power supply
  - Steering column switch module
  - Gearbox oil temperature
  - Averaged vehicle speed
  - Mileage since fault memory cleared
  - Time since engine start
  - Control units reset counter
  - Transmission control unit temperature
  - Pressure control solenoid valve 6
  - Transmission oil temperature sensor voltage
  - Number of faults after system test
  - Internal control module temperature
  - Number of overtemperature faults
  - Steering wheel paddle -
  - Steering wheel paddle
  - Relative accelerator position
  - Gear engaged
  - Steering wheel paddle +, monitoring
  - Steering wheel paddle -, monitoring
  - Number of warming-up cycles since erasing of FSP
  - Coolant overtemperature frequency
  - Gearbox input moment
  - Actuator power supply
  - Turbine rotation speed
  - Pressure-regulation magnetic valve 1
  - Pressure-regulation magnetic valve 2
  - Pressure-regulation magnetic valve 3
  - Pressure control solenoid valve 4
  - Pressure-regulation magnetic valve 5
  - Gearbox output shaft speed
  - Transmission output shaft speed 2
  - Transmission output shaft Speed
  - Engine speed limit
  - Engine oil temperature sensor
  - Shift lock solenoid valve
  - Control unit overtemperature counter
  - No. of oil overtemperature forced shut-offs
  - Park/Neutral output signal
  - Clutch A charging pressure
  - Clutch B charging pressure
  - Clutch C charging pressure

	<ul style="list-style-type: none"> <li>- Clutch D charging pressure</li> <li>- Clutch E charging pressure</li> <li>- Charging time - Clutch A</li> <li>- Charging time - Clutch B</li> <li>- Charging time - Clutch C</li> <li>- Charging time - Clutch D</li> <li>- Charging time - Clutch E</li> <li>- Charging counter - Clutch A</li> <li>- Charging counter - Clutch B</li> <li>- Charging counter - Clutch C</li> <li>- Charging counter - Clutch D</li> <li>- Charging counter - Clutch E</li> <li>- Charging pressure counter - Clutch A</li> <li>- Charging pressure counter - Clutch B</li> <li>- Charging pressure counter - Clutch C</li> <li>- Charging pressure counter - Clutch D</li> <li>- Charging pressure counter - Clutch E</li> </ul>
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Resistance side airbag driver's side</li> <li>- Resistance side airbag front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Knee bag driver side front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- Power supply open circuit</li> <li>- Driver side front seat position sensor: Current value</li> <li>- Passenger side front seat position sensor: Current value</li> <li>- System operating time</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> <li>- Front left head airbag</li> <li>- Front right head airbag</li> <li>- Rear left head airbag</li> <li>- Rear right head airbag</li> <li>- Rollover detection 1</li> <li>- Rollover detection 2</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> </ul> </li> </ul>

Central module comfort  
Access/start authorization 4.0

- Power supply
- Kilometer reading
- Key 1
- Key 2
- Key 3
- Key 4
- Key 5
- Number of actual errors
- Switch 6
- Switch 7
- Switch 8

Underbody/Steering  
Air suspension 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts
  - Drain pressure accumulator
  - Activate air suspension
- **Error memory**
- **Current values**
  - Longitudinal acceleration sensor
  - Vehicle driving speed
  - Car level (horizontality) sensor output: rear left
  - Car level (horizontality) sensor output: rear right
  - Car level (horizontality) sensor output: front left
  - Engine revolution
  - Control unit power supply
  - atmospheric pressure
  - Lateral acceleration sensor
  - Driving wheels angle
  - Battery voltage activation
  - Ambient temperature
  - Ignition/starter switch voltage
  - Status Diagnosis
  - Ignition status
  - air tank pressure
  - Pump motor temperature
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front left vehicle level sensor: Offset
  - Front right vehicle level sensor: Offset
  - Rear left vehicle level sensor: Offset
  - Rear right vehicle level sensor: Offset
  - Power supply vehicle level sensor, front left
  - Power supply vehicle level sensor, front right
  - Power supply vehicle level sensor, rear left
  - Power supply vehicle level sensor, rear right
  - Control unit current input
  - Vehicle level button: Raise
  - Vehicle level button: Lower
  - Air suspension compressor relay
  - Air suspension operating mode
  - Current input of LEDs
  - System control mode
  - Supply voltage status
  - Normal LED
  - Lift LED
  - Lower LED
  - Front left air spring valve current
  - Front right air spring valve current
  - Rear left air spring valve current
  - Rear right air spring valve current
  - Pressure accumulator valve current
  - Off-road LED
  - Air suspension switch
  - Entry mode LED
  - Outlet valve current
  - Front cross link valve
  - Rear cross link valve

- Front cross link valve current
- Rear cross link valve current
- Terrain mode
- Outlet valve
- Door contact status
- Cut-out signal status
- Reveille
- Pump temperature sensor
- Steering column locking switch 1
- Pressure sensor power supply
- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press
- Vehicle level button: Up, long press
- **Actuators**
  - Air suspension compressor relay
  - Pressure accumulator valve
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front cross link valve
  - Rear cross link valve
  - Outlet valve

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Air flap control motors
- **Error memory**
- **Current values**
  - Air conditioner electromagnetic clutch - compressor
  - Air conditioner compressor
  - Passenger compartment temperature
  - The ambient temperature
  - Vaporization temperature sensor
  - Electronic control unit supply voltage
  - Air conditioner system pressure
  - Engine control unit power supply
  - Heat exchanger temperature sensor, left
  - Heat exchanger temperature sensor, right
  - Ambient temperature
  - Odometer
  - Rear air conditioner request
  - Salon temperature sensor
  - Status of park heater
  - Current position air mix flap left
  - Current position air mix flap right
  - Relative humidity
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Sensor supply voltage
  - Front blower motor
  - Washer jet heating actuation
  - Air circulation flaps key button
  - Fresh air fan control
  - Current position fresh air / ventilation flap
  - Rear air mix flap actual position
  - Glow plug

			<p>Heating / Air conditioner Automatic A/C 4.0</p>	<ul style="list-style-type: none"> <li>- Overheating sensor temperature</li> <li>- Operating time</li> <li>- Interior temperature</li> <li>- Rear blower voltage actual value</li> <li>- Auxiliary heating: Combustion blower</li> <li>- Auxiliary coolant pump valve status</li> <li>- Number of faults after system test</li> <li>- Automatic A/C button</li> <li>- Maximum defrost button</li> <li>- Front left seat heating button LED Stage 1</li> <li>- Front left seat heating button LED Stage 2</li> <li>- Front right seat heating button LED Stage 1</li> <li>- Front right seat heating button LED Stage 2</li> <li>- Auxiliary water pump</li> <li>- Overheating sensor</li> <li>- LED button AC</li> <li>- Upward air distribution button LED</li> <li>- Downward air distribut. button LED</li> <li>- Center air distribution button LED</li> <li>- Sun sensor left</li> <li>- Sun sensor right</li> <li>- Fuel preheating status</li> <li>- Seat heating, left, button</li> <li>- Seat heating, right, button</li> <li>- Indicator lamp/mode switch Power</li> <li>- AUTO button LED</li> <li>- Set left heated seat temperature</li> <li>- Set right heated seat temperature</li> <li>- Economy mode, switch</li> <li>- Rear blower, request</li> <li>- LED rear window heating button</li> <li>- Combustion air blower</li> <li>- Flame detection</li> <li>- Blower motor rear</li> <li>- Air distribution Footwell/center</li> <li>- Air distribution Defrost/footwell</li> <li>- Heated windshield indicator lamp</li> <li>- Supplem./auxiliary heater fuel pump</li> <li>- Rear temperature preselection</li> <li>- Heated windshield button</li> <li>- Defrost/footwell air distributor button</li> <li>- Evaporator temperature sensor rear</li> <li>- Fresh/recirculated-air button LED</li> <li>- Rear air distributor flap</li> <li>- Auxiliary / supplementary heater power supply</li> <li>- Left sunlight penetration photo-sensor</li> <li>- Right sunlight penetration photo-sensor</li> <li>- Rear A/C control Auto button</li> <li>- MAX button AC</li> <li>- LED button maximum cooling capacity</li> <li>- Rear blower motor specified speed</li> <li>- External carbon dioxide (CO2) sensor</li> <li>- External nitrogen oxides (NOx) sensor</li> <li>- Automatic blower control LED</li> </ul>
		<p>5.0</p>	<p>506 - 510</p> <p>Electrical energy management Battery management 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Electronic control unit supply voltage</li> <li>- Alternator, current</li> <li>- Generator charge signal</li> <li>- Battery age</li> <li>- Calculated battery temperature</li> <li>- Battery relay</li> <li>- Battery charge/discharge current</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> </ul> </li> </ul>



- Smoothed battery discharge with ignition ON
- Number of resets due to battery change
- Battery management: Estimated charge

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection
  - Stop light, left
  - Stop light, right
  - Electronic control unit supply voltage
  - Brake pedal switch
  - Light switch
  - Short lights, left
  - Short lights, right
  - Long lights, left
  - Long lights, right
  - Rear window wiper switch
  - Switch Parking / Neutral
  - Brakes linings wearing
  - Rear deck unlocking
  - Oil pressure switch
  - External air temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Spare wheel sensor code
  - Auxiliary lighting switch
  - Relay for additional lamps
  - Stand light relay
  - Alarm LED
  - Interior light switch
  - Rear window washer system switch
  - Alternator, current
  - Emergency lights switch
  - Trailer brake lights
  - Trailer rear fog lights
  - Interior lighting
  - Sunroof position
  - End position, rear wiper
  - Fuel level signal 1
  - Fuel level signal 2
  - Left turn signal indicator actuation
  - Right turn signal indicator actuation
  - Sun roof motor 2
  - Sun roof motor 1
  - Electric fuel pump request
  - Engine operation relay
  - Start button status
  - Engine start request
  - Sun roof switch (to front)
  - Sun roof switch (to rear)
  - Fog lamp output signal
  - Rear window wiper relay
  - Windscreen heating relay
  - Rear window defroster relay
  - Windscreen wiper relay
  - Windshield washer system switch
  - Door contact, rear left door
  - Door contact, rear right door
  - Rear deck release switch
  - Main beam switch
  - Headlight flasher switch
  - Brake pedal switch signal
  - Seat occupation sensor front passenger's side front
  - Front left indicator actuation
  - Front right indicator actuation

Central electronics  
Central electronics 4.0

- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch

	<ul style="list-style-type: none"> <li>- Steering column longitudinal position sensor</li> <li>- Steering column height position sensor</li> <li>- Luggage compartment lock release</li> <li>- Left daylight running light</li> <li>- Rear daylight running light</li> <li>- Front windshield wiper, interval wipe time</li> <li>- TRIP button</li> <li>- Rear right, tire pressure sensor fault status</li> <li>- Rear left tire pressure sensor fault status</li> <li>- Front right, tire pressure sensor fault status</li> <li>- Front left, tire pressure sensor fault status</li> <li>- Battery charge/discharge current</li> <li>- Rear right antenna</li> <li>- Rear left antenna</li> <li>- Front right antenna</li> <li>- Front left antenna</li> <li>- Coolant level switch</li> <li>- Interior central locking button Lock</li> <li>- Internal central locking button Unlock</li> <li>- Rear lid contact switch 1</li> <li>- Rear lid contact switch 2</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

Instrument cluster  
Instrument cluster 4.0

- Cruise control, control light
- Low-range lamp
- Engine management system error lights
- Generator lamp
- Seat belt control light
- ABS control light
- ASR/ESP control light
- Hi-beam lights, control light
- Fog light control lamp
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Trailer turn sign. indicators, warning light
- Red warning lamp
- Yellow warning lamp
- Oil pressure control lamp
- HDC indicator lamp
- Glow control light
- Ambient light sensor
- Electronic control unit power supply
- Parking brake, warning light
- Yellow brake indicator lamp
- Red brake indicator lamp
- Control light airbag
- Headlight level control, control lamp
- Adaptive cruise control, control light
- Automatic headlights indicator lamp
- Tire pressure monitor indicator lamp
- Side lights, control light
- **Actuators**
  - Instrument cluster indication lamps

Parking assisting system  
Park Distance Control 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Electronic control unit supply voltage
  - Engine operation detected
  - Engine control unit power supply
  - Odometer
  - Park distance control system key
  - Distance left rear
  - Distance left centre rear
  - Distance right centre rear
  - Distance right rear
  - Distance, left front, outside
  - Distance, left front, inside
  - Distance, right front, inside
  - Distance, right front, outside
  - Distance sensor parking assistant front right
  - Distance sensor parking assistant front left
  - Engine start request
  - Status Diagnosis
  - Operating time
  - Interior temperature
  - Parking aid: system status
  - Parking aid: distance sensor, front left
  - Parking aid: distance sensor, front right
  - Parking aid: Rear left distance sensor decay time
  - Parking aid: Rear left center distance sensor decay time
  - Parking aid: Rear right center distance sensor decay time
  - Parking aid: Rear right distance sensor decay time
  - Parking aid: front left distance sensor decay time
  - Parking aid: front left center distance sensor decay time
  - Parking aid: front right center distance sensor decay time

	<ul style="list-style-type: none"> <li>- Parking aid: front right distance sensor decay time</li> <li>- Muting by parking aid</li> <li>- Front right center distance sensor</li> <li>- Distance sensor, rear right center</li> <li>- Distance sensor, right rear</li> <li>- Distance sensor, left rear</li> <li>- Distance sensor, rear left center</li> <li>- Front left distance sensor</li> <li>- Front left center distance sensor</li> <li>- Front right distance sensor</li> <li>- Parking aid indicator lamp</li> <li>- Parking aid deactivation speed</li> <li>- Number of faults after system test</li> <li>- Parking aid error status</li> <li>- Parking aid: Front distance sensor configuration</li> <li>- Parking aid: Trailer detection</li> <li>- Parking aid: Reverse gear engaged</li> <li>- Parking assistant indicator lamp</li> <li>- Parking assistant button</li> <li>- Rear distance sensor status</li> <li>- Front parking aid beep volume</li> <li>- Rear parking aid beep volume</li> <li>- Front right distance</li> <li>- Front left distance</li> <li>- Parking aid: Distance sensors</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Park distance control gong</li> <li>- Park distance control switch LED</li> <li>- Parking aid: Rear distance sensors</li> <li>- Distance sensors</li> </ul> </li> </ul>
<p>All-wheel drive electronics Transfer case 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Engine revolution</li> <li>- Electronic control unit supply voltage</li> <li>- Control unit, Voltage sensor 1</li> <li>- Control unit, Voltage sensor 2</li> <li>- Transmission mode</li> <li>- Manual transm.: Gear stick position</li> <li>- Slip speed</li> <li>- Transfer case solenoid valve</li> <li>- Voltage servo motor (M+)</li> <li>- Voltage servo motor (M-)</li> <li>- Servo motor speed</li> <li>- Status Diagnosis</li> <li>- Motor current</li> <li>- Error frequency counter</li> <li>- Ignition starter switch status</li> <li>- Overtemperature protection</li> <li>- Specified clutch torque</li> <li>- 4WD HIGH position switch</li> <li>- Actual motor position angle</li> <li>- Control motor reset counter</li> <li>- Actuator position</li> <li>- Gear position sensor 1</li> <li>- Gear position sensor 2</li> <li>- Number of faults after system test</li> <li>- temperature sensor</li> <li>- Internal control module temperature</li> <li>- Transfer case Neutral</li> <li>- Control motor direction of rotation sensor voltage</li> <li>- Transfer case actual locking torque</li> <li>- Ignition key removal lock solenoid valve</li> <li>- Output shaft drive sensor 1</li> <li>- Gearbox output shaft speed</li> <li>- 4WD high range lamp</li> <li>- Motion sensor</li> <li>- Gear adaption status</li> <li>- Control motor temperature</li> <li>- Selector lever position sensor voltage</li> </ul> </li> </ul>

- High gear engaged
- Low gear engaged
- 4WD LOW position switch
- Low gear range warning lamp
- High-Range indicator lamp voltage monitoring
- Low-Range indicator lamp voltage monitoring
- Direction of motor rotation, anti-clockwise
- Direction of motor rotation, clockwise

**LAND ROVER** **Range Rover Sport II - Range Rover Sport II 3.6 TDV8 AWD**

Year	Engine	Liters	HP	System	Functions
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				<p>All-wheel drive electronics All wheel drive electronics 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit power supply</li> <li>- Distance travelled in mode 1</li> <li>- Distance travelled in mode 2</li> <li>- Distance travelled in mode 3</li> <li>- Distance travelled in mode 4</li> <li>- Distance travelled in mode 5</li> <li>- Number of faults after system test</li> <li>- LED display 1</li> <li>- LED display 2</li> <li>- LED display 3</li> <li>- LED display 4</li> <li>- LED display 5</li> <li>- LED display 6</li> <li>- Mileage in dynamic mode</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Transmission adaptation</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- throttle valve position</li> <li>- Engine revolution</li> <li>- Gear engaged</li> <li>- Control unit power supply</li> <li>- Inserted gear</li> <li>- atmospheric pressure</li> <li>- gear box oil temperature</li> <li>- Power supply sensor</li> <li>- Electronic control unit supply voltage</li> <li>- Lock switch for starter</li> <li>- Cooling agent temperature motor</li> <li>- Shift-Lock Function</li> <li>- mileage from the moment of switching on the lamp for failure</li> <li>- Load, calculated value</li> <li>- Actual Engine Torque</li> <li>- Vehicle average speed</li> <li>- Transmission oil temperature sensor voltage</li> <li>- Engine speed actual value</li> <li>- Electronic control unit power supply</li> <li>- Steering column switch module</li> <li>- Gearbox oil temperature</li> <li>- Averaged vehicle speed</li> <li>- Mileage since fault memory cleared</li> <li>- Time since engine start</li> <li>- Control units reset counter</li> <li>- Transmission control unit temperature</li> <li>- Pressure control solenoid valve 6</li> <li>- Transmission oil temperature sensor voltage</li> </ul> </li> </ul>
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Gear box control  
6/8 speed automatic transmission HPxx

- Number of faults after system test
- Internal control module temperature
- Number of overtemperature faults
- Steering wheel paddle -
- Steering wheel paddle
- Relative accelerator position
- Gear engaged
- Steering wheel paddle +, monitoring
- Steering wheel paddle -, monitoring
- Number of warming-up cycles since erasing of FSP
- Coolant overtemperature frequency
- Gearbox input moment
- Actuator power supply
- Turbine rotation speed
- Pressure-regulation magnetic valve 1
- Pressure-regulation magnetic valve 2
- Pressure-regulation magnetic valve 3
- Pressure control solenoid valve 4
- Pressure-regulation magnetic valve 5
- Gearbox output shaft speed
- Transmission output shaft speed 2
- Transmission output shaft Speed
- Engine speed limit
- Engine oil temperature sensor
- Shift lock solenoid valve
- Control unit overtemperature counter
- No. of oil overtemperature forced shut-offs
- Park/Neutral output signal
- Clutch A charging pressure
- Clutch B charging pressure
- Clutch C charging pressure
- Clutch D charging pressure
- Clutch E charging pressure
- Charging time - Clutch A
- Charging time - Clutch B
- Charging time - Clutch C
- Charging time - Clutch D
- Charging time - Clutch E
- Charging counter - Clutch A
- Charging counter - Clutch B
- Charging counter - Clutch C
- Charging counter - Clutch D
- Charging counter - Clutch E
- Charging pressure counter - Clutch A
- Charging pressure counter - Clutch B
- Charging pressure counter - Clutch C
- Charging pressure counter - Clutch D
- Charging pressure counter - Clutch E

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Electronic control unit supply voltage
  - Kilometer reading
  - Voltage belt lock driver's side
  - Voltage belt lock front passenger's side
  - Resistance side airbag driver's side
  - Resistance side airbag front passenger's side
  - Front left door status
  - Front right door status
  - Rear left door status
  - Rear right door status
  - Switch for passenger-side airbag
  - Longitudinal acceleration sensor 1
  - Longitudinal acceleration sensor 2
  - Driver side front belt sensor
  - Passenger side front belt sensor
  - Front passenger airbag control light
  - Seat belt pre-load device driver front
  - Seat belt pre-load device front passenger front
  - Knee bag driver side front
  - Status Diagnosis

Airbag  
Airbag AB 4.0

- Driver seat, position sensor
- Airbag system status
- Resistance ZK1 front airbag driver's side
- Resistance ZK2 front airbag driver's side
- Resistance ZK1 front airbag front passenger's side
- Resistance ZK2 front airbag front passenger's side
- Power supply open circuit
- Driver side front seat position sensor: Current value
- Passenger side front seat position sensor: Current value
- System operating time
- Driver side, front belt sensor fault status
- Occupant detection status
- Impact detected
- Collision information
- Capacitor voltage
- Passenger side, front belt sensor fault status
- Passenger side, airbag switch fault status
- Passenger seat position sensor
- Front left head airbag
- Front right head airbag
- Rear left head airbag
- Rear right head airbag
- Rollover detection 1
- Rollover detection 2

Central module comfort  
Access/start authorization 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Power supply
  - Power supply
  - Kilometer reading
  - Key 1
  - Key 2
  - Key 3
  - Key 4
  - Key 5
  - Number of actual errors
  - Switch 6
  - Switch 7
  - Switch 8

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts
  - Drain pressure accumulator
  - Activate air suspension
- **Error memory**
- **Current values**
  - Longitudinal acceleration sensor
  - Vehicle driving speed
  - Car level (horizontal) sensor output: rear left
  - Car level (horizontal) sensor output: rear right
  - Car level (horizontal) sensor output: front left
  - Engine revolution
  - Control unit power supply
  - atmospheric pressure
  - Lateral acceleration sensor
  - Driving wheels angle
  - Battery voltage activation
  - Ambient temperature
  - Ignition/starter switch voltage
  - Status Diagnosis
  - Ignition status
  - air tank pressure
  - Pump motor temperature
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve



Underbody/Steering  
Air suspension 4.0

- Rear right air spring valve
- Front left vehicle level sensor: Offset
- Front right vehicle level sensor: Offset
- Rear left vehicle level sensor: Offset
- Rear right vehicle level sensor: Offset
- Power supply vehicle level sensor, front left
- Power supply vehicle level sensor, front right
- Power supply vehicle level sensor, rear left
- Power supply vehicle level sensor, rear right
- Control unit current input
- Vehicle level button: Raise
- Vehicle level button: Lower
- Air suspension compressor relay
- Air suspension operating mode
- Current input of LEDs
- System control mode
- Supply voltage status
- Normal LED
- Lift LED
- Lower LED
- Front left air spring valve current
- Front right air spring valve current
- Rear left air spring valve current
- Rear right air spring valve current
- Pressure accumulator valve current
- Off-road LED
- Air suspension switch
- Entry mode LED
- Outlet valve current
- Front cross link valve
- Rear cross link valve
- Front cross link valve current
- Rear cross link valve current
- Terrain mode
- Outlet valve
- Door contact status
- Cut-out signal status
- Reveille
- Pump temperature sensor
- Steering column locking switch 1
- Pressure sensor power supply
- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press
- Vehicle level button: Up, long press
- **Actuators**
  - Air suspension compressor relay
  - Pressure accumulator valve
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front cross link valve
  - Rear cross link valve
  - Outlet valve

- **Identification**
- **Clear errors**
- **Adjustments / settings**

Heating / Air conditioner  
Automatic A/C 4.0

- Air flap control motors
- **Error memory**
- **Current values**
  - Air conditioner electromagnetic clutch - compressor
  - Air conditioner compressor
  - Passenger compartment temperature
  - The ambient temperature
  - Vaporization temperature sensor
  - Electronic control unit supply voltage
  - Air conditioner system pressure
  - Engine control unit power supply
  - Heat exchanger temperature sensor, left
  - Heat exchanger temperature sensor, right
  - Ambient temperature
  - Odometer
  - Rear air conditioner request
  - Salon temperature sensor
  - Status of park heater
  - Current position air mix flap left
  - Current position air mix flap right
  - Relative humidity
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Sensor supply voltage
  - Front blower motor
  - Washer jet heating actuation
  - Air circulation flaps key button
  - Fresh air fan control
  - Current position fresh air / ventilation flap
  - Rear air mix flap actual position
  - Glow plug
  - Overheating sensor temperature
  - Operating time
  - Interior temperature
  - Rear blower voltage actual value
  - Auxiliary heating: Combustion blower
  - Auxiliary coolant pump valve status
  - Number of faults after system test
  - Automatic A/C button
  - Maximum defrost button
  - Front left seat heating button LED Stage 1
  - Front left seat heating button LED Stage 2
  - Front right seat heating button LED Stage 1
  - Front right seat heating button LED Stage 2
  - Auxiliary water pump
  - Overheating sensor
  - LED button AC
  - Upward air distribution button LED
  - Downward air distribut. button LED
  - Center air distribution button LED
  - Sun sensor left
  - Sun sensor right
  - Fuel preheating status
  - Seat heating, left, button
  - Seat heating, right, button
  - Indicator lamp/mode switch Power
  - AUTO button LED
  - Set left heated seat temperature
  - Set right heated seat temperature
  - Economy mode, switch
  - Rear blower, request
  - LED rear window heating button
  - Combustion air blower
  - Flame detection
  - Blower motor rear
  - Air distribution Footwell/center
  - Air distribution Defrost/footwell
  - Heated windshield indicator lamp
  - Supplem./auxiliary heater fuel pump
  - Rear temperature preselection
  - Heated windshield button
  - Defrost/footwell air distributor button

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Electrical energy management  
Battery management 4.0

- Evaporator temperature sensor rear
- Fresh/recirculated-air button LED
- Rear air distributor flap
- Auxiliary / supplementary heater power supply
- Left sunlight penetration photo-sensor
- Right sunlight penetration photo-sensor
- Rear A/C control Auto button
- MAX button AC
- LED button maximum cooling capacity
- Rear blower motor specified speed
- External carbon dioxide (CO2) sensor
- External nitrogen oxides (NOx) sensor
- Automatic blower control LED

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Battery replacement
- **Error memory**
- **Current values**
  - Battery voltage
  - Electronic control unit supply voltage
  - Alternator, current
  - Generator charge signal
  - Battery age
  - Calculated battery temperature
  - Battery relay
  - Battery charge/discharge current
  - Battery type
  - Average battery discharge (sleep)
  - Smoothed battery charge with ignition ON
  - Smoothed battery discharge with ignition OFF
  - Smoothed battery discharge with ignition ON
  - Number of resets due to battery change
  - Battery management: Estimated charge

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - Collision signal
  - Control unit, internal relay
  - Top contact switch
  - Trailer detection
  - Stop light, left
  - Stop light, right
  - Electronic control unit supply voltage
  - Brake pedal switch
  - Light switch
  - Short lights, left
  - Short lights, right
  - Long lights, left
  - Long lights, right
  - Rear window wiper switch
  - Switch Parking / Neutral
  - Brakes linings wearing
  - Rear deck unlocking
  - Oil pressure switch
  - External air temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Spare wheel sensor code
  - Auxiliary lighting switch
  - Relay for additional lamps
  - Stand light relay
  - Alarm LED
  - Interior light switch
  - Rear window washer system switch
  - Alternator, current
  - Emergency lights switch

Central electronics  
Central electronics 4.0

- Trailer brake lights
- Trailer rear fog lights
- Interior lighting
- Sunroof position
- End position, rear wiper
- Fuel level signal 1
- Fuel level signal 2
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Sun roof motor 2
- Sun roof motor 1
- Electric fuel pump request
- Engine operation relay
- Start button status
- Engine start request
- Sun roof switch (to front)
- Sun roof switch (to rear)
- Fog lamp output signal
- Rear window wiper relay
- Windscreen heating relay
- Rear window defroster relay
- Windscreen wiper relay
- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights
- Heated windscreen washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age

- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time
- TRIP button
- Rear right, tire pressure sensor fault status
- Rear left tire pressure sensor fault status
- Front right, tire pressure sensor fault status
- Front left, tire pressure sensor fault status
- Battery charge/discharge current
- Rear right antenna
- Rear left antenna
- Front right antenna
- Front left antenna
- Coolant level switch
- Interior central locking button Lock
- Internal central locking button Unlock
- Rear lid contact switch 1
- Rear lid contact switch 2
- Battery type
- Average battery discharge (sleep)
- Smoothed battery charge with ignition ON
- Smoothed battery discharge with ignition OFF
- Smoothed battery discharge with ignition ON
- Number of resets due to battery change
- Number of missing tire pressure monitoring sensors
- Battery management: Estimated charge
- Airbag control supply relay

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Tilt angle initialization
  - Parking brake service mode
  - Retract/relax parking brake
- **Error memory**
- **Current values**
  - Left front door
  - Right front door

<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- Red warning lamp</li> <li>- Yellow warning lamp</li> <li>- Oil pressure control lamp</li> <li>- HDC indicator lamp</li> <li>- Glow control light</li> <li>- Ambient light sensor</li> <li>- Electronic control unit power supply</li> <li>- Parking brake, warning light</li> <li>- Yellow brake indicator lamp</li> <li>- Red brake indicator lamp</li> <li>- Control light airbag</li> <li>- Headlight level control, control lamp</li> <li>- Adaptive cruise control, control light</li> <li>- Automatic headlights indicator lamp</li> <li>- Tire pressure monitor indicator lamp</li> <li>- Side lights, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument cluster indication lamps</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Electronic control unit supply voltage</li> </ul> </li> </ul>

Parking assisting system  
Park Distance Control 4.0

- Engine operation detected
- Engine control unit power supply
- Odometer
- Park distance control system key
- Distance left rear
- Distance left centre rear
- Distance right centre rear
- Distance right rear
- Distance, left front, outside
- Distance, left front, inside
- Distance, right front, inside
- Distance, right front, outside
- Distance sensor parking assistant front right
- Distance sensor parking assistant front left
- Engine start request
- Status Diagnosis
- Operating time
- Interior temperature
- Parking aid: system status
- Parking aid: distance sensor, front left
- Parking aid: distance sensor, front right
- Parking aid: Rear left distance sensor decay time
- Parking aid: Rear left center distance sensor decay time
- Parking aid: Rear right center distance sensor decay time
- Parking aid: Rear right distance sensor decay time
- Parking aid: front left distance sensor decay time
- Parking aid: front left center distance sensor decay time
- Parking aid: front right center distance sensor decay time
- Parking aid: front right distance sensor decay time
- Muting by parking aid
- Front right center distance sensor
- Distance sensor, rear right center
- Distance sensor, right rear
- Distance sensor, left rear
- Distance sensor, rear left center
- Front left distance sensor
- Front left center distance sensor
- Front right distance sensor
- Parking aid indicator lamp
- Parking aid deactivation speed
- Number of faults after system test
- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button
- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
  - Park distance control gong
  - Park distance control switch LED
  - Parking aid: Rear distance sensors
  - Distance sensors

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Engine revolution
  - Electronic control unit supply voltage
  - Control unit, Voltage sensor 1
  - Control unit, Voltage sensor 2

All-wheel drive electronics  
Transfer case 4.0

- Transmission mode
- Manual transm.: Gear stick position
- Slip speed
- Transfer case solenoid valve
- Voltage servo motor (M+)
- Voltage servo motor (M-)
- Servo motor speed
- Status Diagnosis
- Motor current
- Error frequency counter
- Ignition starter switch status
- Overtemperature protection
- Specified clutch torque
- 4WD HIGH position switch
- Actual motor position angle
- Control motor reset counter
- Actuator position
- Gear position sensor 1
- Gear position sensor 2
- Number of faults after system test
- temperature sensor
- Internal control module temperature
- Transfer case Neutral
- Control motor direction of rotation sensor voltage
- Transfer case actual locking torque
- Ignition key removal lock solenoid valve
- Output shaft drive sensor 1
- Gearbox output shaft speed
- 4WD high range lamp
- Motion sensor
- Gear adaption status
- Control motor temperature
- Selector lever position sensor voltage
- High gear engaged
- Low gear engaged
- 4WD LOW position switch
- Low gear range warning lamp
- High-Range indicator lamp voltage monitoring
- Low-Range indicator lamp voltage monitoring
- Direction of motor rotation, anti-clockwise
- Direction of motor rotation, clockwise

**LAND ROVER** **Range Rover Sport II - Range Rover Sport II 5.0 V8 NA AWD**

Year	Engine	Liters	HP	System	Functions
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All-wheel drive electronics  
All wheel drive electronics 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - Electronic control unit power supply
  - Distance travelled in mode 1
  - Distance travelled in mode 2
  - Distance travelled in mode 3
  - Distance travelled in mode 4
  - Distance travelled in mode 5
  - Number of faults after system test
  - LED display 1
  - LED display 2
  - LED display 3
  - LED display 4
  - LED display 5
  - LED display 6
  - Mileage in dynamic mode

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Transmission adaptation



Gear box control  
6/8 speed automatic transmission HPxx

- **Error memory**
- **Current values**
  - Vehicle driving speed
  - throttle valve position
  - Engine revolution
  - Gear engaged
  - Control unit power supply
  - Inserted gear
  - atmospheric pressure
  - gear box oil temperature
  - Power supply sensor
  - Electronic control unit supply voltage
  - Lock switch for starter
  - Cooling agent temperature motor
  - Shift-Lock Function
  - mileage from the moment of switching on the lamp for failure
  - Load, calculated value
  - Actual Engine Torque
  - Vehicle average speed
  - Transmission oil temperature sensor voltage
  - Engine speed actual value
  - Electronic control unit power supply
  - Steering column switch module
  - Gearbox oil temperature
  - Averaged vehicle speed
  - Mileage since fault memory cleared
  - Time since engine start
  - Control units reset counter
  - Transmission control unit temperature
  - Pressure control solenoid valve 6
  - Transmission oil temperature sensor voltage
  - Number of faults after system test
  - Internal control module temperature
  - Number of overtemperature faults
  - Steering wheel paddle -
  - Steering wheel paddle
  - Relative accelerator position
  - Gear engaged
  - Steering wheel paddle +, monitoring
  - Steering wheel paddle -, monitoring
  - Number of warming-up cycles since erasing of FSP
  - Coolant overtemperature frequency
  - Gearbox input moment
  - Actuator power supply
  - Turbine rotation speed
  - Pressure-regulation magnetic valve 1
  - Pressure-regulation magnetic valve 2
  - Pressure-regulation magnetic valve 3
  - Pressure control solenoid valve 4
  - Pressure-regulation magnetic valve 5
  - Gearbox output shaft speed
  - Transmission output shaft speed 2
  - Transmission output shaft Speed
  - Engine speed limit
  - Engine oil temperature sensor
  - Shift lock solenoid valve
  - Control unit overtemperature counter
  - No. of oil overtemperature forced shut-offs
  - Park/Neutral output signal
  - Clutch A charging pressure
  - Clutch B charging pressure
  - Clutch C charging pressure
  - Clutch D charging pressure
  - Clutch E charging pressure
  - Charging time - Clutch A
  - Charging time - Clutch B
  - Charging time - Clutch C
  - Charging time - Clutch D
  - Charging time - Clutch E
  - Charging counter - Clutch A
  - Charging counter - Clutch B
  - Charging counter - Clutch C

	<ul style="list-style-type: none"> <li>- Charging counter - Clutch D</li> <li>- Charging counter - Clutch E</li> <li>- Charging pressure counter - Clutch A</li> <li>- Charging pressure counter - Clutch B</li> <li>- Charging pressure counter - Clutch C</li> <li>- Charging pressure counter - Clutch D</li> <li>- Charging pressure counter - Clutch E</li> </ul>
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Electronic control unit supply voltage</li> <li>- Kilometer reading</li> <li>- Voltage belt lock driver's side</li> <li>- Voltage belt lock front passenger's side</li> <li>- Resistance side airbag driver's side</li> <li>- Resistance side airbag front passenger's side</li> <li>- Front left door status</li> <li>- Front right door status</li> <li>- Rear left door status</li> <li>- Rear right door status</li> <li>- Switch for passenger-side airbag</li> <li>- Longitudinal acceleration sensor 1</li> <li>- Longitudinal acceleration sensor 2</li> <li>- Driver side front belt sensor</li> <li>- Passenger side front belt sensor</li> <li>- Front passenger airbag control light</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Knee bag driver side front</li> <li>- Status Diagnosis</li> <li>- Driver seat, position sensor</li> <li>- Airbag system status</li> <li>- Resistance ZK1 front airbag driver's side</li> <li>- Resistance ZK2 front airbag driver's side</li> <li>- Resistance ZK1 front airbag front passenger's side</li> <li>- Resistance ZK2 front airbag front passenger's side</li> <li>- Power supply open circuit</li> <li>- Driver side front seat position sensor: Current value</li> <li>- Passenger side front seat position sensor: Current value</li> </ul> </li> <li>value <ul style="list-style-type: none"> <li>- System operating time</li> <li>- Driver side, front belt sensor fault status</li> <li>- Occupant detection status</li> <li>- Impact detected</li> <li>- Collision information</li> <li>- Capacitor voltage</li> <li>- Passenger side, front belt sensor fault status</li> <li>- Passenger side, airbag switch fault status</li> <li>- Passenger seat position sensor</li> <li>- Front left head airbag</li> <li>- Front right head airbag</li> <li>- Rear left head airbag</li> <li>- Rear right head airbag</li> <li>- Rollover detection 1</li> <li>- Rollover detection 2</li> </ul> </li> </ul>
<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Power supply</li> <li>- Kilometer reading</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Number of actual errors</li> <li>- Switch 6</li> <li>- Switch 7</li> </ul> </li> </ul>

- Switch 8

Underbody/Steering  
Air suspension 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Adjustments / settings**
  - Drain air spring struts
  - Drain pressure accumulator
  - Activate air suspension
- **Error memory**
- **Current values**
  - Longitudinal acceleration sensor
  - Vehicle driving speed
  - Car level (horizontality) sensor output: rear left
  - Car level (horizontality) sensor output: rear right
  - Car level (horizontality) sensor output: front left
  - Engine revolution
  - Control unit power supply
  - atmospheric pressure
  - Lateral acceleration sensor
  - Driving wheels angle
  - Battery voltage activation
  - Ambient temperature
  - Ignition/starter switch voltage
  - Status Diagnosis
  - Ignition status
  - air tank pressure
  - Pump motor temperature
  - Front left air spring valve
  - Front right air spring valve
  - Rear left air spring valve
  - Rear right air spring valve
  - Front left vehicle level sensor: Offset
  - Front right vehicle level sensor: Offset
  - Rear left vehicle level sensor: Offset
  - Rear right vehicle level sensor: Offset
  - Power supply vehicle level sensor, front left
  - Power supply vehicle level sensor, front right
  - Power supply vehicle level sensor, rear left
  - Power supply vehicle level sensor, rear right
  - Control unit current input
  - Vehicle level button: Raise
  - Vehicle level button: Lower
  - Air suspension compressor relay
  - Air suspension operating mode
  - Current input of LEDs
  - System control mode
  - Supply voltage status
  - Normal LED
  - Lift LED
  - Lower LED
  - Front left air spring valve current
  - Front right air spring valve current
  - Rear left air spring valve current
  - Rear right air spring valve current
  - Pressure accumulator valve current
  - Off-road LED
  - Air suspension switch
  - Entry mode LED
  - Outlet valve current
  - Front cross link valve
  - Rear cross link valve
  - Front cross link valve current
  - Rear cross link valve current
  - Terrain mode
  - Outlet valve
  - Door contact status
  - Cut-out signal status
  - Reveille
  - Pump temperature sensor
  - Steering column locking switch 1
  - Pressure sensor power supply

- Compressor temperature
- Pressure accumulator valve
- Vehicle level sensor, front right
- Front left vehicle level
- Front right vehicle level
- Rear left vehicle level
- Rear right vehicle level
- Status Wake-Up Signal
- Level control status
- Compressed air sensor 1 voltage
- Access mode level button
- Compressor temperature sensor voltage
- Crawl mode LED
- Setting mode
- Normal mode
- Vehicle level button: Down, long press
- Vehicle level button: Up, long press

• **Actuators**

- Air suspension compressor relay
- Pressure accumulator valve
- Front left air spring valve
- Front right air spring valve
- Rear left air spring valve
- Rear right air spring valve
- Front cross link valve
- Rear cross link valve
- Outlet valve

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Air flap control motors

• **Error memory**

• **Current values**

- Air conditioner electromagnetic clutch - compressor
- Air conditioner compressor
- Passenger compartment temperature
- The ambient temperature
- Vaporization temperature sensor
- Electronic control unit supply voltage
- Air conditioner system pressure
- Engine control unit power supply
- Heat exchanger temperature sensor, left
- Heat exchanger temperature sensor, right
- Ambient temperature
- Odometer
- Rear air conditioner request
- Salon temperature sensor
- Status of park heater
- Current position air mix flap left
- Current position air mix flap right
- Relative humidity
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Sensor supply voltage
- Front blower motor
- Washer jet heating actuation
- Air circulation flaps key button
- Fresh air fan control
- Current position fresh air / ventilation flap
- Rear air mix flap actual position
- Glow plug
- Overheating sensor temperature
- Operating time
- Interior temperature
- Rear blower voltage actual value
- Auxiliary heating: Combustion blower
- Auxiliary coolant pump valve status
- Number of faults after system test
- Automatic A/C button
- Maximum defrost button
- Front left seat heating button LED Stage 1

2009/09 -	5.0 SGM	5.0	375 - 381	<p>Automatic A/C 4.0</p>	<ul style="list-style-type: none"> <li>- Front left seat heating button LED Stage 2</li> <li>- Front right seat heating button LED Stage 1</li> <li>- Front right seat heating button LED Stage 2</li> <li>- Auxiliary water pump</li> <li>- Overheating sensor</li> <li>- LED button AC</li> <li>- Upward air distribution button LED</li> <li>- Downward air distribut. button LED</li> <li>- Center air distribution button LED</li> <li>- Sun sensor left</li> <li>- Sun sensor right</li> <li>- Fuel preheating status</li> <li>- Seat heating, left, button</li> <li>- Seat heating, right, button</li> <li>- Indicator lamp/mode switch Power</li> <li>- AUTO button LED</li> <li>- Set left heated seat temperature</li> <li>- Set right heated seat temperature</li> <li>- Economy mode, switch</li> <li>- Rear blower, request</li> <li>- LED rear window heating button</li> <li>- Combustion air blower</li> <li>- Flame detection</li> <li>- Blower motor rear</li> <li>- Air distribution Footwell/center</li> <li>- Air distribution Defrost/footwell</li> <li>- Heated windshield indicator lamp</li> <li>- Supplem./auxiliary heater fuel pump</li> <li>- Rear temperature preselection</li> <li>- Heated windshield button</li> <li>- Defrost/footwell air distributor button</li> <li>- Evaporator temperature sensor rear</li> <li>- Fresh/recirculated-air button LED</li> <li>- Rear air distributor flap</li> <li>- Auxiliary / supplementary heater power supply</li> <li>- Left sunlight penetration photo-sensor</li> <li>- Right sunlight penetration photo-sensor</li> <li>- Rear A/C control Auto button</li> <li>- MAX button AC</li> <li>- LED button maximum cooling capacity</li> <li>- Rear blower motor specified speed</li> <li>- External carbon dioxide (CO2) sensor</li> <li>- External nitrogen oxides (NOx) sensor</li> <li>- Automatic blower control LED</li> </ul>
<p>Electrical energy management Battery management 4.0</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Battery replacement</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Electronic control unit supply voltage</li> <li>- Alternator, current</li> <li>- Generator charge signal</li> <li>- Battery age</li> <li>- Calculated battery temperature</li> <li>- Battery relay</li> <li>- Battery charge/discharge current</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Battery management: Estimated charge</li> </ul> </li> </ul>	
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Collision signal</li> </ul> </li> </ul>	

- Control unit, internal relay
- Top contact switch
- Trailer detection
- Stop light, left
- Stop light, right
- Electronic control unit supply voltage
- Brake pedal switch
- Light switch
- Short lights, left
- Short lights, right
- Long lights, left
- Long lights, right
- Rear window wiper switch
- Switch Parking / Neutral
- Brakes linings wearing
- Rear deck unlocking
- Oil pressure switch
- External air temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Spare wheel sensor code
- Auxiliary lighting switch
- Relay for additional lamps
- Stand light relay
- Alarm LED
- Interior light switch
- Rear window washer system switch
- Alternator, current
- Emergency lights switch
- Trailer brake lights
- Trailer rear fog lights
- Interior lighting
- Sunroof position
- End position, rear wiper
- Fuel level signal 1
- Fuel level signal 2
- Left turn signal indicator actuation
- Right turn signal indicator actuation
- Sun roof motor 2
- Sun roof motor 1
- Electric fuel pump request
- Engine operation relay
- Start button status
- Engine start request
- Sun roof switch (to front)
- Sun roof switch (to rear)
- Fog lamp output signal
- Rear window wiper relay
- Windscreen heating relay
- Rear window defroster relay
- Windscreen wiper relay
- Windshield washer system switch
- Door contact, rear left door
- Door contact, rear right door
- Rear deck release switch
- Main beam switch
- Headlight flasher switch
- Brake pedal switch signal
- Seat occupation sensor front passenger's side front
- Front left indicator actuation
- Front right indicator actuation
- Rear left indicator actuation
- Rear right indicator actuation
- Headlight washer pump relay
- Fuel pump relay
- Fog light switch
- Status light control
- Switch wiper parking position
- Rear fog lights switch
- Alarm horn power supply
- Backup lights

Central electronics  
Central electronics 4.0

- Heated windshield washing nozzles
- Switch illumination
- Rear fog light left
- Rear fog light right
- Trailer socket relay
- Trailer control unit relay
- Parking brake, warning light
- Generator charge signal
- Air suspension wake-up signal
- Key authorized
- Electrical steering column adjustment
- Power latching output signal Retract
- Power latching output signal Extend
- Windshield intermittent wipe switch
- Ignition/starter switch signal: Start
- Center brake light
- Start/stop button status
- Headlamp power module, power supply
- Gear positioner, neutral position
- Trailer coupling status
- Start/stop button switching contact 1
- Start/stop button switching contact 2
- Headlight washer pump relay B
- Front left door contact switch
- Front right door contact switch
- Rear lid locking unit status Pre-latch
- Rear lid locking unit status Main latch
- Rear lid unlocking switch 2
- Ambient lighting Zone 1
- Background illumination %
- Battery age
- Ignition key in/out
- Windshield wiper switch, slow
- Windshield wiper switch, fast
- 12V socket
- Front left initiator transmitter
- Front right initiator transmitter
- Rear left initiator transmitter
- Rear right initiator transmitter
- Calculated battery temperature
- Easy entry
- Windshield washer relay
- Start/stop button sensor A
- Start/stop button sensor B
- Signal horn relay
- Cigarette lighter power supply
- Brake fluid level switch
- Right steered headlight
- Left steered headlight
- Sun roof motor temperature
- Wiper relay 2
- Fuel tank cap unlocking relay
- Fuel tank cap locking relay
- Rear window washer relay
- Hall sensor 1 sunroof
- Hall sensor 2 Sunroof
- Washer fluid level switch
- Trailer left indicator actuation
- Trailer right indicator actuation
- CAN bus, wake-up signal
- Battery relay
- Retained accessory power relay
- Steering column adjustment switch
- Steering column longitudinal position sensor
- Steering column height position sensor
- Luggage compartment lock release
- Left daylight running light
- Rear daylight running light
- Front windshield wiper, interval wipe time
- TRIP button
- Rear right, tire pressure sensor fault status
- Rear left tire pressure sensor fault status
- Front right, tire pressure sensor fault status

	<ul style="list-style-type: none"> <li>- Front left, tire pressure sensor fault status</li> <li>- Battery charge/discharge current</li> <li>- Rear right antenna</li> <li>- Rear left antenna</li> <li>- Front right antenna</li> <li>- Front left antenna</li> <li>- Coolant level switch</li> <li>- Interior central locking button Lock</li> <li>- Internal central locking button Unlock</li> <li>- Rear lid contact switch 1</li> <li>- Rear lid contact switch 2</li> <li>- Battery type</li> <li>- Average battery discharge (sleep)</li> <li>- Smoothed battery charge with ignition ON</li> <li>- Smoothed battery discharge with ignition OFF</li> <li>- Smoothed battery discharge with ignition ON</li> <li>- Number of resets due to battery change</li> <li>- Number of missing tire pressure monitoring sensors</li> <li>- Battery management: Estimated charge</li> <li>- Airbag control supply relay</li> </ul>
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tilt angle initialization</li> <li>- Parking brake service mode</li> <li>- Retract/relax parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Left front door</li> <li>- Right front door</li> <li>- Boot/hatchback</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Motor top</li> <li>- Actuators during vehicle operation</li> <li>- Longitudinal acceleration correction value</li> <li>- Motor current</li> <li>- Parking brake, warning light</li> <li>- Electronic parking brake button status</li> <li>- Longitudinal acceleration raw value</li> <li>- Actuation counter</li> <li>- El. parking brake force sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Release parking brake</li> </ul> </li> </ul>
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- System self test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Engine control unit power supply</li> <li>- Odometer</li> <li>- Interior temperature</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Cruise control, control light</li> <li>- Low-range lamp</li> <li>- Engine management system error lights</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> </ul> </li> </ul>



Instrument cluster  
Instrument cluster 4.0

- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Trailer turn sign. indicators, warning light
- Red warning lamp
- Yellow warning lamp
- Oil pressure control lamp
- HDC indicator lamp
- Glow control light
- Ambient light sensor
- Electronic control unit power supply
- Parking brake, warning light
- Yellow brake indicator lamp
- Red brake indicator lamp
- Control light airbag
- Headlight level control, control lamp
- Adaptive cruise control, control light
- Automatic headlights indicator lamp
- Tire pressure monitor indicator lamp
- Side lights, control light
- **Actuators**
  - Instrument cluster indication lamps

Parking assisting system  
Park Distance Control 4.0

- **Identification**
- **Clear errors**
- **Functional tests**
  - System self test
- **Error memory**
- **Current values**
  - The ambient temperature
  - Electronic control unit supply voltage
  - Engine operation detected
  - Engine control unit power supply
  - Odometer
  - Park distance control system key
  - Distance left rear
  - Distance left centre rear
  - Distance right centre rear
  - Distance right rear
  - Distance, left front, outside
  - Distance, left front, inside
  - Distance, right front, inside
  - Distance, right front, outside
  - Distance sensor parking assistant front right
  - Distance sensor parking assistant front left
  - Engine start request
  - Status Diagnosis
  - Operating time
  - Interior temperature
  - Parking aid: system status
  - Parking aid: distance sensor, front left
  - Parking aid: distance sensor, front right
  - Parking aid: Rear left distance sensor decay time
  - Parking aid: Rear left center distance sensor decay time
  - Parking aid: Rear right center distance sensor decay time
  - Parking aid: Rear right distance sensor decay time
  - Parking aid: front left distance sensor decay time
  - Parking aid: front left center distance sensor decay time
  - Parking aid: front right center distance sensor decay time
  - Parking aid: front right distance sensor decay time
  - Muting by parking aid
  - Front right center distance sensor
  - Distance sensor, rear right center
  - Distance sensor, right rear
  - Distance sensor, left rear
  - Distance sensor, rear left center
  - Front left distance sensor
  - Front left center distance sensor
  - Front right distance sensor

- Parking aid indicator lamp
- Parking aid deactivation speed
- Number of faults after system test
- Parking aid error status
- Parking aid: Front distance sensor configuration
- Parking aid: Trailer detection
- Parking aid: Reverse gear engaged
- Parking assistant indicator lamp
- Parking assistant button
- Rear distance sensor status
- Front parking aid beep volume
- Rear parking aid beep volume
- Front right distance
- Front left distance
- Parking aid: Distance sensors
- **Actuators**
- Park distance control gong
- Park distance control switch LED
- Parking aid: Rear distance sensors
- Distance sensors

All-wheel drive electronics  
Transfer case 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
- Vehicle driving speed
- Engine revolution
- Electronic control unit supply voltage
- Control unit, Voltage sensor 1
- Control unit, Voltage sensor 2
- Transmission mode
- Manual transm.: Gear stick position
- Slip speed
- Transfer case solenoid valve
- Voltage servo motor (M+)
- Voltage servo motor (M-)
- Servo motor speed
- Status Diagnosis
- Motor current
- Error frequency counter
- Ignition starter switch status
- Overtemperature protection
- Specified clutch torque
- 4WD HIGH position switch
- Actual motor position angle
- Control motor reset counter
- Actuator position
- Gear position sensor 1
- Gear position sensor 2
- Number of faults after system test
- temperature sensor
- Internal control module temperature
- Transfer case Neutral
- Control motor direction of rotation sensor voltage
- Transfer case actual locking torque
- Ignition key removal lock solenoid valve
- Output shaft drive sensor 1
- Gearbox output shaft speed
- 4WD high range lamp
- Motion sensor
- Gear adaption status
- Control motor temperature
- Selector lever position sensor voltage
- High gear engaged
- Low gear engaged
- 4WD LOW position switch
- Low gear range warning lamp
- High-Range indicator lamp voltage monitoring
- Low-Range indicator lamp voltage monitoring
- Direction of motor rotation, anti-clockwise
- Direction of motor rotation, clockwise

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[A-Klasse \[169\] - A 170](#)

[A-Klasse \[169\] - A 200](#)

[A-Klasse \[169\] - A 160 CDI](#)

[A-Klasse \[169\] - A 180 CDI](#)

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[A-Klasse \[169\] - A 200 Turbo](#)

[A-Klasse \[169\] - A 180 i](#)

[A-Klasse \[169\] - A 160](#)

[A-Klasse \[169\] - A 180](#)

[B-Klasse \[245\] - B 180 CDI](#)

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[C-Klasse \[203\] - C 180](#)

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[C-Klasse \[203\] - C 220 CDI](#)

[C-Klasse \[203\] - C 200 CDI](#)

[C-Klasse \[203\] - C 200 KOMPRESSOR](#)

[C-Klasse \[203\] - C 320](#)

[C-Klasse \[203\] - C 270 CDI](#)

[C-Klasse \[203\] - C 32 AMG KOMPRESSOR](#)

[C-Klasse \[203\] - C 30 CDI AMG](#)

[C-Klasse \[203\] - C 200 CGI KOMPRESSOR](#)

[C-Klasse \[203\] - C 240 4MATIC](#)

[C-Klasse \[203\] - C 320 4MATIC](#)

[C-Klasse \[203\] - C 55 AMG](#)

[C-Klasse \[203\] - C 230 KOMPRESSOR](#)

[C-Klasse \[203\] - C 180 KOMPRESSOR](#)

[C-Klasse \[203\] - C 320 CDI](#)

[C-Klasse \[203\] - C 230](#)

[C-Klasse \[203\] - C 280](#)

[C-Klasse \[203\] - C 280 4MATIC](#)

[C-Klasse \[203\] - C 350](#)

[C-Klasse \[203\] - C 350 4MATIC](#)

[C-Klasse \[203\] Sportcoupe - C 220 CDI Sportcoupe](#)

[C-Klasse \[203\] Sportcoupe - C 180 Sportcoupe](#)

[C-Klasse \[203\] Sportcoupe - C 200 KOMPRESSOR Sportcoupe](#)

[C-Klasse \[203\] Sportcoupe - C 230 KOMPRESSOR Sportcoupe](#)

[C-Klasse \[203\] Sportcoupe - C 30 CDI AMG Sportcoupe](#)  
[C-Klasse \[203\] Sportcoupe - C 320 Sportcoupe](#)  
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[C-Klasse \[203\] Sportcoupe - C 200 CDI Sportcoupe](#)  
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[C-Klasse \[203\] T-Modell - C 180 KOMPRESSOR T-Modell](#)  
[C-Klasse \[203\] T-Modell - C 320 CDI T-Modell](#)  
[C-Klasse \[203\] T-Modell - C 230 T-Modell](#)  
[C-Klasse \[203\] T-Modell - C 280 T-Modell](#)  
[C-Klasse \[203\] T-Modell - C 280 4MATIC T-Modell](#)  
[C-Klasse \[203\] T-Modell - C 350 T-Modell](#)  
[C-Klasse \[203\] T-Modell - C 350 4MATIC T-Modell](#)  
[C-Klasse \[204\] - C 200 CDI](#)  
[C-Klasse \[204\] - C 220 CDI](#)  
[C-Klasse \[204\] - C 320 CDI](#)  
[C-Klasse \[204\] - C 180 KOMPRESSOR](#)  
[C-Klasse \[204\] - C 200 KOMPRESSOR](#)  
[C-Klasse \[204\] - C 230](#)  
[C-Klasse \[204\] - C 280](#)  
[C-Klasse \[204\] - C 350](#)  
[C-Klasse \[204\] - C 320 CDI 4MATIC](#)  
[C-Klasse \[204\] - C 280 4MATIC](#)  
[C-Klasse \[204\] - C 350 4MATIC](#)  
[C-Klasse \[204\] - C 230 4MATIC](#)  
[C-Klasse \[204\] - C 63 AMG](#)  
[C-Klasse \[204\] - C 250 CDI](#)  
[C-Klasse \[204\] - C 350 CGI](#)  
[C-Klasse \[204\] - C 200 CGI](#)  
[C-Klasse \[204\] - C 250 CGI](#)  
[C-Klasse \[204\] - C 350 CDI](#)  
[C-Klasse \[204\] - C 350 CDI 4MATIC](#)  
[C-Klasse \[204\] - C 180 CGI](#)  
[C-Klasse \[204\] - C 250 CDI 4MATIC](#)  
[C-Klasse \[204\] - C 250 4MATIC](#)  
[C-Klasse \[204\] - C 250](#)

[C-Klasse \[204\] - C 300](#)  
[C-Klasse \[204\] - C 300 4MATIC](#)  
[C-Klasse \[204\] - C 180 CDI](#)  
[C-Klasse \[204\] - C 350 CGI 4MATIC](#)  
[C-Klasse \[204\] Coupe - C 220 CDI Coupe](#)  
[C-Klasse \[204\] Coupe - C 250 CDI Coupe](#)  
[C-Klasse \[204\] Coupe - C 250 CGI Coupe](#)  
[C-Klasse \[204\] Coupe - C 180 CGI Coupe](#)  
[C-Klasse \[204\] Coupe - C 350 CGI Coupe](#)  
[C-Klasse \[204\] Coupe - C 63 AMG Coupe](#)  
[C-Klasse \[204\] T-Modell - C 200 CDI T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 220 CDI T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 320 CDI T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 320 CDI 4MATIC T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 180 KOMPRESSOR T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 200 KOMPRESSOR T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 230 T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 280 T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 350 T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 63 AMG T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 180 KOMPRESSOR BlueEFFICIENCY T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 200 CGI T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 250 CGI T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 250 CDI T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 350 CDI T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 350 CDI 4MATIC T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 180 CGI T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 250 CDI 4MATIC T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 180 CDI T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 350 CGI T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 300 T-Modell](#)  
[C-Klasse \[204\] T-Modell - C 250 T-Modell](#)  
[CL-Klasse \[215\] - CL 500 Coupe](#)  
[CL-Klasse \[215\] - CL 600 Coupe](#)  
[CL-Klasse \[215\] - CL 55 AMG Coupe](#)  
[CL-Klasse \[215\] - CL 55 AMG KOMPRESSOR Coupe](#)  
[CL-Klasse \[215\] - CL 65 AMG Coupe](#)  
[CL-Klasse \[216\] - CL 500 Coupe](#)  
[CL-Klasse \[216\] - CL 600 Coupe](#)  
[CL-Klasse \[216\] - CL 63 AMG Coupe](#)  
[CL-Klasse \[216\] - CL 65 AMG Coupe](#)  
[CL-Klasse \[216\] - CL 500 Coupe 4MATIC](#)  
[CL-Klasse \[216\] - CL 500 CGI Coupe](#)  
[CL-Klasse \[216\] - CL 500 CGI Coupe 4MATIC](#)  
[CLC-Klasse \[203\] - CLC 180 KOMPRESSOR](#)  
[CLC-Klasse \[203\] - CLC 200 CDI](#)  
[CLC-Klasse \[203\] - CLC 220 CDI](#)  
[CLC-Klasse \[203\] - CLC 230 Sportcoupe](#)  
[CLC-Klasse \[203\] - CLC 350](#)  
[CLC-Klasse \[203\] - CLC 200 KOMPRESSOR](#)  
[CLC-Klasse \[203\] - CLC 160](#)  
[CLK-Klasse \[209\] Cabrio - CLK 200 KOMPRESSOR Cabrio](#)

[CLK-Klasse \[209\] Cabrio - CLK 240 Cabrio](#)  
[CLK-Klasse \[209\] Cabrio - CLK 320 Cabrio](#)  
[CLK-Klasse \[209\] Cabrio - CLK 500 Cabrio](#)  
[CLK-Klasse \[209\] Cabrio - CLK 55 AMG Cabrio](#)  
[CLK-Klasse \[209\] Cabrio - CLK 280 Cabrio](#)  
[CLK-Klasse \[209\] Cabrio - CLK 350 Cabrio](#)  
[CLK-Klasse \[209\] Cabrio - CLK 320 CDI Cabrio](#)  
[CLK-Klasse \[209\] Cabrio - CLK 63 AMG Cabrio](#)  
[CLK-Klasse \[209\] Coupe - CLK 55 AMG Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 500 Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 320 Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 240 Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 270 CDI Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 200 KOMPRESSOR Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 200 CGI KOMPRESSOR Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 220 CDI Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 320 CDI Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 280 Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 350 Coupe](#)  
[CLK-Klasse \[209\] Coupe - CLK 63 AMG Coupe](#)  
[CLS-Klasse \[219\] - CLS 350 Coupe](#)  
[CLS-Klasse \[219\] - CLS 500 Coupe](#)  
[CLS-Klasse \[219\] - CLS 55 AMG Coupe](#)  
[CLS-Klasse \[219\] - CLS 320 CDI Coupe](#)  
[CLS-Klasse \[219\] - CLS 350 CGI Coupe](#)  
[CLS-Klasse \[219\] - CLS 63 AMG Coupe](#)  
[CLS-Klasse \[219\] - CLS 280 Coupe](#)  
[CLS-Klasse \[219\] - CLS 300 Coupe](#)  
[CLS-Klasse \[219\] - CLS 350 CDI Coupe](#)  
[E-Klasse \[207\] Cabrio - E 200 CGI Cabrio](#)  
[E-Klasse \[207\] Cabrio - E 220 CDI Cabrio](#)  
[E-Klasse \[207\] Cabrio - E 250 CDI Cabrio](#)  
[E-Klasse \[207\] Cabrio - E 350 CDI Cabrio](#)  
[E-Klasse \[207\] Cabrio - E 250 CGI Cabrio](#)  
[E-Klasse \[207\] Cabrio - E 350 CGI Cabrio](#)  
[E-Klasse \[207\] Cabrio - E 500 Cabrio](#)  
[E-Klasse \[207\] Cabrio - E 350 Cabrio](#)  
[E-Klasse \[207\] Cabrio - E 300 CGI Cabrio](#)  
[E-Klasse \[207\] Cabrio - E 500 CGI Cabrio](#)  
[E-Klasse \[207\] Coupe - E 350 CGI Coupe](#)  
[E-Klasse \[207\] Coupe - E 250 CDI Coupe](#)  
[E-Klasse \[207\] Coupe - E 500 Coupe](#)  
[E-Klasse \[207\] Coupe - E 250 CGI Coupe](#)  
[E-Klasse \[207\] Coupe - E 350 CDI Coupe](#)  
[E-Klasse \[207\] Coupe - E 220 CDI Coupe](#)  
[E-Klasse \[207\] Coupe - E 350 Coupe](#)  
[E-Klasse \[207\] Coupe - E 200 CGI Coupe](#)  
[E-Klasse \[207\] Coupe - E 300 CGI Coupe](#)  
[E-Klasse \[207\] Coupe - E 500 CGI Coupe](#)  
[E-Klasse \[211\] - E 220 CDI](#)  
[E-Klasse \[211\] - E 270 CDI](#)  
[E-Klasse \[211\] - E 240](#)

[E-Klasse \[211\] - E 320](#)  
[E-Klasse \[211\] - E 500](#)  
[E-Klasse \[211\] - E 320 CDI](#)  
[E-Klasse \[211\] - E 200 KOMPRESSOR](#)  
[E-Klasse \[211\] - E 55 AMG KOMPRESSOR](#)  
[E-Klasse \[211\] - E 200 CDI](#)  
[E-Klasse \[211\] - E 400 CDI](#)  
[E-Klasse \[211\] - E 500 4MATIC](#)  
[E-Klasse \[211\] - E 240 4MATIC](#)  
[E-Klasse \[211\] - E 320 4MATIC](#)  
[E-Klasse \[211\] - E 280 CDI](#)  
[E-Klasse \[211\] - E 280](#)  
[E-Klasse \[211\] - E 350](#)  
[E-Klasse \[211\] - E 350 4MATIC](#)  
[E-Klasse \[211\] - E 280 CDI 4MATIC](#)  
[E-Klasse \[211\] - E 320 CDI 4MATIC](#)  
[E-Klasse \[211\] - E 280 4MATIC](#)  
[E-Klasse \[211\] - E 420 CDI](#)  
[E-Klasse \[211\] - E 63 AMG](#)  
[E-Klasse \[211\] - E 200 KOMPRESSOR NGT](#)  
[E-Klasse \[211\] - E 300 BlueTec](#)  
[E-Klasse \[211\] - E 350 CGI](#)  
[E-Klasse \[211\] - E 230](#)  
[E-Klasse \[211\] - E 300 4MATIC](#)  
[E-Klasse \[211\] T-Modell - E 220 CDI T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 270 CDI T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 320 CDI T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 200 KOMPRESSOR T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 240 T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 320 T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 500 4MATIC T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 55 AMG KOMPRESSOR T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 240 4MATIC T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 320 4MATIC T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 500 T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 280 CDI T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 280 T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 350 T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 350 4MATIC T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 280 CDI 4MATIC T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 320 CDI 4MATIC T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 280 4MATIC T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 63 AMG T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 350 CGI T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 200 CDI T-Modell](#)  
[E-Klasse \[211\] T-Modell - E 230 T-Modell](#)  
[E-Klasse \[212\] - E 220 CDI](#)  
[E-Klasse \[212\] - E 350 CDI](#)  
[E-Klasse \[212\] - E 350 CGI](#)  
[E-Klasse \[212\] - E 500](#)  
[E-Klasse \[212\] - E 250 CDI](#)  
[E-Klasse \[212\] - E 200 CDI](#)

[E-Klasse \[212\] - E 350 BlueTec](#)  
[E-Klasse \[212\] - E 63 AMG](#)  
[E-Klasse \[212\] - E 300](#)  
[E-Klasse \[212\] - E 350](#)  
[E-Klasse \[212\] - E 350 4MATIC](#)  
[E-Klasse \[212\] - E 500 4MATIC](#)  
[E-Klasse \[212\] - E 350 CDI 4MATIC](#)  
[E-Klasse \[212\] - E 200 CGI](#)  
[E-Klasse \[212\] - E 250 CGI](#)  
[E-Klasse \[212\] - E 300 CDI](#)  
[E-Klasse \[212\] - E 200 NGT](#)  
[E-Klasse \[212\] - E 250 CDI 4MATIC](#)  
[E-Klasse \[212\] - E 300 4MATIC](#)  
[E-Klasse \[212\] T-Modell - E 220 CDI T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 250 CDI T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 200 CDI T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 350 BlueTec T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 350 CDI T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 250 CGI T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 200 CGI T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 350 T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 350 CGI T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 500 T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 63 AMG T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 350 4MATIC T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 350 CDI 4MATIC T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 300 T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 300 CDI T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 250 CDI 4MATIC T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 300 4MATIC T-Modell](#)  
[E-Klasse \[212\] T-Modell - E 500 4MATIC T-Modell](#)  
[E-Serie - E280 3.0i](#)  
[E-Serie - E200K 1.8i](#)  
[E-Serie - E350 3.5i](#)  
[E-Serie - E230 2.5i](#)  
[G-Klasse \[461\] - 230 G](#)  
[G-Klasse \[461\] - 280 GE](#)  
[G-Klasse \[461\] - 230 GE](#)  
[G-Klasse \[461\] - 240 GD](#)  
[G-Klasse \[461\] - 300 GD](#)  
[G-Klasse \[461\] - 250 GD](#)  
[G-Klasse \[461\] - 290 GDT](#)  
[G-Klasse \[461\] - 290 GD](#)  
[G-Klasse \[461\] - G 300 CDI](#)  
[G-Klasse \[463\] - 230 GE](#)  
[G-Klasse \[463\] - 300 GE](#)  
[G-Klasse \[463\] - 250 GD](#)  
[G-Klasse \[463\] - 300 GD](#)  
[G-Klasse \[463\] - 200 GE](#)  
[G-Klasse \[463\] - 350 GD Turbo](#)  
[G-Klasse \[463\] - 500 GE AMG](#)  
[G-Klasse \[463\] - G 230](#)



[G-Klasse \[463\] - G 300 D](#)  
[G-Klasse \[463\] - G 300](#)  
[G-Klasse \[463\] - G 350 DT](#)  
[G-Klasse \[463\] - G 320](#)  
[G-Klasse \[463\] - G 300 DT](#)  
[G-Klasse \[463\] - G 500](#)  
[G-Klasse \[463\] - G 400 CDI](#)  
[G-Klasse \[463\] - G 270 CDI](#)  
[G-Klasse \[463\] - G 55 AMG](#)  
[G-Klasse \[463\] - G 55 AMG KOMPRESSOR](#)  
[G-Klasse \[463\] - G 320 CDI](#)  
[GL-Klasse \[164\] - GL 320 CDI 4MATIC](#)  
[GL-Klasse \[164\] - GL 420 CDI 4MATIC](#)  
[GL-Klasse \[164\] - GL 450 4MATIC](#)  
[GL-Klasse \[164\] - GL 500 4MATIC](#)  
[GL-Klasse \[164\] - GL 320 BlueTec 4MATIC](#)  
[GL-Klasse \[164\] - GL 350 BlueTec 4MATIC](#)  
[GL-Klasse \[164\] - GL 350 CDI 4MATIC](#)  
[GL-Klasse \[164\] - GL 450 CDI 4MATIC](#)  
[GLK-Klasse \[204\] - GLK 320 CDI 4MATIC](#)  
[GLK-Klasse \[204\] - GLK 350 4MATIC](#)  
[GLK-Klasse \[204\] - GLK 280 4MATIC](#)  
[GLK-Klasse \[204\] - GLK 220 CDI 4MATIC](#)  
[GLK-Klasse \[204\] - GLK 350](#)  
[GLK-Klasse \[204\] - GLK 220 CDI](#)  
[GLK-Klasse \[204\] - GLK 350 CDI 4MATIC](#)  
[GLK-Klasse \[204\] - GLK 250 CDI 4MATIC](#)  
[GLK-Klasse \[204\] - GLK 200 CDI](#)  
[GLK-Klasse \[204\] - GLK 300 4MATIC](#)  
[GLK-Klasse \[204\] - GLK 350 CGI 4MATIC](#)  
[M-Klasse \[164\] - ML 350 4MATIC](#)  
[M-Klasse \[164\] - ML 500 4MATIC](#)  
[M-Klasse \[164\] - ML 280 CDI 4MATIC](#)  
[M-Klasse \[164\] - ML 320 CDI 4MATIC](#)  
[M-Klasse \[164\] - ML 63 AMG](#)  
[M-Klasse \[164\] - ML 420 CDI 4MATIC](#)  
[M-Klasse \[164\] - ML 350 CDI 4MATIC](#)  
[M-Klasse \[164\] - ML 350 BlueTec 4MATIC](#)  
[M-Klasse \[164\] - ML 300 CDI 4MATIC](#)  
[M-Klasse \[164\] - ML 450 CDI 4MATIC](#)  
[M-Klasse \[164\] - ML 450 Hybrid 4MATIC](#)  
[M-Klasse \[166\] - ML 250 BlueTec 4MATIC](#)  
[M-Klasse \[166\] - ML 350 BlueTec 4MATIC](#)  
[M-Klasse \[166\] - ML 350 4MATIC](#)  
[M-Klasse \[166\] - ML 63 AMG 4MATIC](#)  
[R-Klasse \[251\] - R 320 CDI 4MATIC](#)  
[R-Klasse \[251\] - R 350 4MATIC](#)  
[R-Klasse \[251\] - R 500 4MATIC](#)  
[R-Klasse \[251\] - R 280 CDI 4MATIC](#)  
[R-Klasse \[251\] - R 63 AMG 4MATIC](#)  
[R-Klasse \[251\] - R 280](#)  
[R-Klasse \[251\] - R 350](#)

[R-Klasse \[251\] - R 280 CDI](#)  
[R-Klasse \[251\] - R 280 4MATIC](#)  
[R-Klasse \[251\] - R 350 BlueTec 4MATIC](#)  
[R-Klasse \[251\] - R 300 CDI](#)  
[R-Klasse \[251\] - R 350 CDI 4MATIC](#)  
[R-Klasse \[251\] - R 300](#)  
[R-Klasse \[251\] - R 300 CDI 4MATIC](#)  
[S-Klasse \[220\] - S 320](#)  
[S-Klasse \[220\] - S 280](#)  
[S-Klasse \[220\] - S 430](#)  
[S-Klasse \[220\] - S 500](#)  
[S-Klasse \[220\] - S 320 CDI](#)  
[S-Klasse \[220\] - S 600](#)  
[S-Klasse \[220\] - S 400 CDI](#)  
[S-Klasse \[220\] - S 55 AMG](#)  
[S-Klasse \[220\] - S 55 AMG KOMPRESSOR](#)  
[S-Klasse \[220\] - S 500 4MATIC](#)  
[S-Klasse \[220\] - S 430 4MATIC](#)  
[S-Klasse \[220\] - S 350](#)  
[S-Klasse \[220\] - S 350 4MATIC](#)  
[S-Klasse \[220\] - S 65 AMG](#)  
[S-Klasse \[221\] - S 350](#)  
[S-Klasse \[221\] - S 500](#)  
[S-Klasse \[221\] - S 600](#)  
[S-Klasse \[221\] - S 320 CDI](#)  
[S-Klasse \[221\] - S 65 AMG](#)  
[S-Klasse \[221\] - S 450](#)  
[S-Klasse \[221\] - S 450 4MATIC](#)  
[S-Klasse \[221\] - S 500 4MATIC](#)  
[S-Klasse \[221\] - S 320 CDI 4MATIC](#)  
[S-Klasse \[221\] - S 420 CDI](#)  
[S-Klasse \[221\] - S 63 AMG](#)  
[S-Klasse \[221\] - S 350 4MATIC](#)  
[S-Klasse \[221\] - S 400 Hybrid](#)  
[S-Klasse \[221\] - S 280](#)  
[S-Klasse \[221\] - S 350 CDI](#)  
[S-Klasse \[221\] - S 350 BlueTec](#)  
[S-Klasse \[221\] - S 350 BlueTec 4MATIC](#)  
[S-Klasse \[221\] - S 250 CDI](#)  
[S-Klasse \[221\] - S 350 CGI](#)  
[S-Klasse \[221\] - S 350 CGI 4MATIC](#)  
[S-Klasse \[221\] - S 500 CGI](#)  
[S-Klasse \[221\] - S 500 CGI 4MATIC](#)  
[S-Klasse \[221\] - S 350 CDI 4MATIC](#)  
[S-Klasse \[221\] - S 450 CDI](#)  
[SL-Klasse \[230\] - SL 500](#)  
[SL-Klasse \[230\] - SL 55 AMG](#)  
[SL-Klasse \[230\] - SL 350](#)  
[SL-Klasse \[230\] - SL 600](#)  
[SL-Klasse \[230\] - SL 65 AMG](#)  
[SL-Klasse \[230\] - SL 280](#)  
[SL-Klasse \[230\] - SL 63 AMG](#)

[SL-Klasse \[230\] - SL 300](#)

[SLK-Klasse \[171\] - SLK 200 KOMPRESSOR](#)

[SLK-Klasse \[171\] - SLK 350](#)

[SLK-Klasse \[171\] - SLK 55 AMG](#)

[SLK-Klasse \[171\] - SLK 280](#)

[SLK-Klasse \[171\] - SLK 300](#)

[SLR-Klasse \[199\] Coupe - SLR 5.4 Coupe](#)

[SLR-Klasse \[199\] Coupe - SLR 5.4 Coupe 722 Edition](#)

[SLR-Klasse \[199\] Roadster - SLR 5.4 Roadster](#)

[Vaneo \[414\] - Vaneo 1.6](#)

[Vaneo \[414\] - Vaneo 1.9](#)

[Vaneo \[414\] - Vaneo CDI 1.7](#)

**MERCEDES BENZ****A-Klasse [169] - A 150**

Year	Engine	Liters	HP	System	Functions
2004/09 - 2009/04	M 266.920	1.5	95	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

**MERCEDES BENZ****A-Klasse [169] - A 170**

Year	Engine	Liters	HP	System	Functions
2004/09 - 2009/04	M 266.940	1.7	116	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

**MERCEDES BENZ****A-Klasse [169] - A 200**

Year	Engine	Liters	HP	System	Functions
2004/04 - 2011/10	M 266.960	2.0	136	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

**MERCEDES BENZ****A-Klasse [169] - A 160 CDI**

Year	Engine	Liters	HP	System	Functions
2004/09 - 2011/10	OM 640.942	2.0	82	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

**MERCEDES BENZ****A-Klasse [169] - A 180 CDI**

Year	Engine	Liters	HP	System	Functions
2004/09 - 2011/10	OM 640.940	2.0	109	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

**MERCEDES BENZ****A-Klasse [169] - A 200 CDI**

Year	Engine	Liters	HP	System	Functions
2004/09 - 2011/10	OM 640.941	2.0	140	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

**MERCEDES BENZ****A-Klasse [169] - A 200 Turbo**

Year	Engine	Liters	HP	System	Functions
2005/06 - 2010/10	M 266.980	2.0	193	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

**MERCEDES BENZ****A-Klasse [169] - A 180 i**

Year	Engine	Liters	HP	System	Functions

Year	Engine	Liters	HP	System	Functions
2009/09 -		1.7	116	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

MERCEDES BENZ						A-Klasse [169] - A 160					
Year	Engine	Liters	HP	System	Functions						
2009/04 - 2011/10	M 266.920	1.5	95	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>						

MERCEDES BENZ						A-Klasse [169] - A 180					
Year	Engine	Liters	HP	System	Functions						
2009/04 - 2011/10	M 266.940	1.7	116	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>						

MERCEDES BENZ						B-Klasse [245] - B 180 CDI					
Year	Engine	Liters	HP	System	Functions						
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>						
2005/04 - 2011/05	OM 640.940	2.0	109	Lights control XALWA Master	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Adjustments / settings <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• Error memory</li> <li>• Current values <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• Actuators <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> </ul> </li> </ul>						

					<ul style="list-style-type: none"> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul>
				Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

**MERCEDES BENZ** **B-Klasse [245] - B 200 CDI**

Year	Engine	Liters	HP	System	Functions
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
				Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> </ul> </li> </ul>

2005/04 - 2011/05	OM 640.941	2.0	140		<ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul>
				Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

**MERCEDES BENZ**
**B-Klasse [245] - B 150**

Year	Engine	Liters	HP	System	Functions
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
				Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> </ul> </li> </ul>

2005/04 - 2009/04	M 266.920	1.5	95		<ul style="list-style-type: none"> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
				Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

**MERCEDES BENZ** **B-Klasse [245] - B 170**

Year	Engine	Liters	HP	System	Functions
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> </ul> </li> </ul>



2005/04 - 2009/04	M 266.940	1.7	116	Lights control XALWA Master	<ul style="list-style-type: none"> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
				Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

**MERCEDES BENZ** **B-Klasse [245] - B 200**

Year	Engine	Liters	HP	System	Functions
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> </ul>

2005/04 - 2011/04	M 266.960	2.0	136	Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
				Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

**MERCEDES BENZ** **B-Klasse [245] - B 200 Turbo**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>
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2005/04 - 2010/10	M 266.980	2.0	193	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
				Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
				Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> </ul> </li> </ul>

- Right cornering light in center position

MERCEDES BENZ				B-Klasse [245] - B 180 NGT	
Year	Engine	Liters	HP	System	Functions
2009/05 - 2011/04	M 266.960	2.0	116	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
				Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
				Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> </ul> </li> </ul>

- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ** **B-Klasse [245] - B 180 i**

Year	Engine	Liters	HP	System	Functions
2009/09 -		1.7	116	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
				Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> </ul> </li> </ul>

Lights control  
XALWA Slave

- Lamp intensity
- Steering wheel, steering angle
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ** **B-Klasse [245] - B 160**

Year	Engine	Liters	HP	System	Functions
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2009/04 - 2011/04	M 266.920	1.5	95	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
				Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

Lights control  
XALWA Slave

- Transverse acceleration
- Control unit power supply
- Steering wheel rotation angle sensor
- reflexive angle
- High beam light
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Steering wheel, steering angle
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ** **B-Klasse [245] - B 180**

Year	Engine	Liters	HP	System	Functions
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2009/04 - 2011/04	M 266.940	1.7	116	Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Left and right turning light</li> </ul>
				Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

**MERCEDES BENZ** **B-Klasse [245] - B 170 NGT**

Year	Engine	Liters	HP	System	Functions
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
				Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> </ul> </li> </ul>



2008/05 - 2009/04	M 266.960	2.0	116		<ul style="list-style-type: none"> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul>
				Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

**MERCEDES BENZ**
**B-Klasse [246] - B 180 CDI**

Year	Engine	Liters	HP	System	Functions
2011/09 -	OM 651.901	1.8	109	Parking brake Electrical parking brake 4.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Terminal 30</li> <li>- Terminal 15</li> <li>- Brakes control light</li> <li>- Working mode</li> <li>- Current VIN</li> <li>- Original VIN</li> <li>- Left parking brake control motor: Current</li> <li>- Right parking brake control motor: Current</li> <li>- Electronic parking brake button status</li> <li>- Maximum brake temperature attained: Reset</li> <li>- Multi-function display</li> <li>- Max. brake temperature attained: Mileage</li> <li>- Left locking motor shut-off current</li> <li>- Right locking motor shut-off current</li> <li>- Calculated brake temperature</li> <li>- Parking brake status, left</li> <li>- Parking brake status, right</li> <li>- Parking brake, control light</li> <li>- Status Handbrake</li> <li>- Right control motor, voltage</li> </ul> </li> </ul>

- Left control motor, voltage
- Parking brake button status
- **Actuators**
  - Parking brake apply
  - Apply right parking brake
  - Apply left parking brake
  - Move to fitting position
  - Assembly position exit

**MERCEDES BENZ** **B-Klasse [246] - B 200 CDI**

Year	Engine	Liters	HP	System	Functions
2011/09 -	OM 651.901	1.8	136	Parking brake Electrical parking brake 4.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Terminal 30</li> <li>- Terminal 15</li> <li>- Brakes control light</li> <li>- Working mode</li> <li>- Current VIN</li> <li>- Original VIN</li> <li>- Left parking brake control motor: Current</li> <li>- Right parking brake control motor: Current</li> <li>- Electronic parking brake button status</li> <li>- Maximum brake temperature attained: Reset</li> <li>- Multi-function display</li> <li>- Max. brake temperature attained: Mileage</li> <li>- Left locking motor shut-off current</li> <li>- Right locking motor shut-off current</li> <li>- Calculated brake temperature</li> <li>- Parking brake status, left</li> <li>- Parking brake status, right</li> <li>- Parking brake, control light</li> <li>- Status Handbrake</li> <li>- Right control motor, voltage</li> <li>- Left control motor, voltage</li> <li>- Parking brake button status</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Apply right parking brake</li> <li>- Apply left parking brake</li> <li>- Move to fitting position</li> <li>- Assembly position exit</li> </ul> </li> </ul>

**MERCEDES BENZ** **B-Klasse [246] - B 180**

Year	Engine	Liters	HP	System	Functions
2011/09 -	M 270.910	1.6	122	Parking brake Electrical parking brake 4.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Terminal 30</li> <li>- Terminal 15</li> <li>- Brakes control light</li> <li>- Working mode</li> <li>- Current VIN</li> <li>- Original VIN</li> <li>- Left parking brake control motor: Current</li> <li>- Right parking brake control motor: Current</li> <li>- Electronic parking brake button status</li> <li>- Maximum brake temperature attained: Reset</li> <li>- Multi-function display</li> <li>- Max. brake temperature attained: Mileage</li> <li>- Left locking motor shut-off current</li> </ul> </li> </ul>

- Right locking motor shut-off current
- Calculated brake temperature
- Parking brake status, left
- Parking brake status, right
- Parking brake, control light
- Status Handbrake
- Right control motor, voltage
- Left control motor, voltage
- Parking brake button status
- **Actuators**
  - Parking brake apply
  - Apply right parking brake
  - Apply left parking brake
  - Move to fitting position
  - Assembly position exit

**MERCEDES BENZ**

**B-Klasse [246] - B 200**

Year	Engine	Liters	HP	System	Functions
2011/09 -	M 270.910	1.6	156	Parking brake Electrical parking brake 4.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate parking brake</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Terminal 30</li> <li>- Terminal 15</li> <li>- Brakes control light</li> <li>- Working mode</li> <li>- Current VIN</li> <li>- Original VIN</li> <li>- Left parking brake control motor: Current</li> <li>- Right parking brake control motor: Current</li> <li>- Electronic parking brake button status</li> <li>- Maximum brake temperature attained: Reset</li> <li>- Multi-function display</li> <li>- Max. brake temperature attained: Mileage</li> <li>- Left locking motor shut-off current</li> <li>- Right locking motor shut-off current</li> <li>- Calculated brake temperature</li> <li>- Parking brake status, left</li> <li>- Parking brake status, right</li> <li>- Parking brake, control light</li> <li>- Status Handbrake</li> <li>- Right control motor, voltage</li> <li>- Left control motor, voltage</li> <li>- Parking brake button status</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Parking brake apply</li> <li>- Apply right parking brake</li> <li>- Apply left parking brake</li> <li>- Move to fitting position</li> <li>- Assembly position exit</li> </ul> </li> </ul>

**MERCEDES BENZ**

**C-Klasse [203] - C 180**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> </ul> </li> </ul>

2000/10 - 2002/08	M 111.951	2.0	129	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

MERCEDES BENZ				C-Klasse [203] - C 240	
Year	Engine	Liters	HP	System	Functions
2000/05 - 2005/05	M 112.912	2.6	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> </ul> </li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

MERCEDES BENZ				C-Klasse [203] - C 220 CDI	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> </ul> </li> </ul>

2000/05 - 2003/02	OM 611.962	2.2	136 - 143	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2003/03 - 2007/02	OM 646.963	2.2	150	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] - C 200 CDI**

Year	Engine	Liters	HP	System	Functions
2000/10				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> </ul> </li> </ul>

- 2003/02	OM 611.962	2.2	116		<ul style="list-style-type: none"> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2003/03 - 2007/07	OM64696...	2.2	122	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] - C 200 KOMPRESSOR**

Year	Engine	Liters	HP	System	Functions
2000/05 - 2002/08	M 111.955	2.0	163	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2002/09 - 2007/02	M 271.940	1.8	163	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] - C 320**

Year	Engine	Liters	HP	System	Functions
2000/05 - 2005/05	M 112.946	3.2	218	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

MERCEDES BENZ				C-Klasse [203] - C 270 CDI	
Year	Engine	Liters	HP	System	Functions
2000/12 - 2004/08	OM 612.962	2.7	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

MERCEDES BENZ				C-Klasse [203] - C 32 AMG KOMPRESSOR	
Year	Engine	Liters	HP	System	Functions
2001/01 - 2004/01	M 112.961	3.2	354	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>



					<ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **C-Klasse [203] - C 30 CDI AMG**

Year	Engine	Liters	HP	System	Functions
2003/01 - 2004/08	OM 612.990	3.0	231	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **C-Klasse [203] - C 200 CGI KOMPRESSOR**

Year	Engine	Liters	HP	System	Functions
2003/04 - 2005/04	M 271.942	1.8	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [203] - C 240 4MATIC</b>
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Year	Engine	Liters	HP	System	Functions
2002/09 - 2005/06	M 112.916	2.6	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Control unit release</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b></li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [203] - C 320 4MATIC</b>
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Year	Engine	Liters	HP	System	Functions
2002/09 - 2005/06	M 112.953	3.2	218	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Control unit release</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> </ul>

					<ul style="list-style-type: none"> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

MERCEDES BENZ					C-Klasse [203] - C 55 AMG	
Year	Engine	Liters	HP	System	Functions	
2004/02 - 2007/08	M 113.988	5.4	367	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>	
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>	

MERCEDES BENZ					C-Klasse [203] - C 230 KOMPRESSOR	
Year	Engine	Liters	HP	System	Functions	
2004/02 - 2005/05	M 271.948	1.8	192	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> </ul> </li> </ul>	

					<ul style="list-style-type: none"> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [203] - C 180 KOMPRESSOR</b>
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Year	Engine	Liters	HP	System	Functions
2002/09 - 2007/07	M 271.946	1.8	143	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [203] - C 320 CDI</b>
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Year	Engine	Liters	HP	System	Functions
2004/09 - 2007/05	OM 642.910	3.0	224	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [203] - C 230</b>
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Year	Engine	Liters	HP	System	Functions
2005/06 - 2007/07	M 272.920	2.5	204	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> </ul> </li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [203] - C 280</b>
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Year	Engine	Liters	HP	System	Functions
2005/09 - 2007/02	M 272.940	3.0	231	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> </ul> </li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> </ul>

					<ul style="list-style-type: none"> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] - C 280 4MATIC**

Year	Engine	Liters	HP	System	Functions
2005/09 - 2007/08	M 272.941	3.0	231	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] - C 350**

Year	Engine	Liters	HP	System	Functions
2005/06 -	M 272.960	3.5	272	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> </ul> </li> </ul>

2007/02					<ul style="list-style-type: none"> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] - C 350 4MATIC**

Year	Engine	Liters	HP	System	Functions
2005/07 - 2007/08	M 272.970	3.5	272	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] Sportcoupe - C 220 CDI Sportcoupe**

Year	Engine	Liters	HP	System	Functions
2001/01				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> </ul> </li> </ul>

- 2003/02	OM 611.962	2.2	143		<ul style="list-style-type: none"> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2003/03 - 2008/02	OM 646.963	2.2	150	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] Sportcoupe - C 180 Sportcoupe**

Year	Engine	Liters	HP	System	Functions
2001/01 - 2002/08	M 111.951	2.0	129	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] Sportcoupe - C 200 KOMPRESSOR Sportcoupe**

Year	Engine	Liters	HP	System	Functions
2001/01 - 2002/08	M 111.955	2.0	163	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2002/09 - 2008/02	M 271.940	1.8	163	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [203] Sportcoupe - C 230 KOMPRESSOR Sportcoupe</b>
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Year	Engine	Liters	HP	System	Functions
2001/01 - 2004/01	M 111.981	2.3	197	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2003/08 - 2005/05	M 271.948	1.8	192	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

Diagnosis/bus systems  
System diagnosis 2.0

- Clear errors
- Read configuration
- Error memory

MERCEDES BENZ				C-Klasse [203] Sportcoupe - C 30 CDI AMG Sportcoupe	
Year	Engine	Liters	HP	System	Functions
2002/09 - 2004/08	OM 612.990	3.0	231	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Adjustments / settings                             <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• Error memory</li> <li>• Current values                             <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• Actuators                             <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

MERCEDES BENZ				C-Klasse [203] Sportcoupe - C 320 Sportcoupe	
Year	Engine	Liters	HP	System	Functions
2002/09 - 2005/05	M 112.946	3.2	218	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Adjustments / settings                             <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• Error memory</li> <li>• Current values                             <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• Actuators                             <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>

Diagnosis/bus systems  
System diagnosis 2.0

- Identification
- Clear errors
- Read configuration
- Error memory

**MERCEDES BENZ C-Klasse [203] Sportcoupe - C 200 CGI KOMPRESSOR Sportcoupe**

Year	Engine	Liters	HP	System	Functions
2003/04 - 2004/08	M 271.942	1.8	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Adjustments / settings <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• Error memory</li> <li>• Current values <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• Actuators <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

**MERCEDES BENZ C-Klasse [203] Sportcoupe - C 200 CDI Sportcoupe**

Year	Engine	Liters	HP	System	Functions
2003/03 - 2008/02	OM64696...	2.2	122	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Adjustments / settings <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• Error memory</li> <li>• Current values <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• Actuators <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>

Diagnosis/bus systems  
System diagnosis 2.0

- Identification
- Clear errors
- Read configuration
- Error memory

**MERCEDES BENZ C-Klasse [203] Sportcoupe - C 180 KOMPRESSOR Sportcoupe**

Year	Engine	Liters	HP	System	Functions
2002/09 - 2008/02	M 271.946	1.8	143	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Adjustments / settings                             <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• Error memory</li> <li>• Current values                             <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• Actuators                             <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Read configuration</li> <li>• Error memory</li> </ul>

**MERCEDES BENZ C-Klasse [203] Sportcoupe - C 230 Sportcoupe**

Year	Engine	Liters	HP	System	Functions
2005/06 - 2008/02	M 272.920	2.5	204	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Clear errors</li> <li>• Adjustments / settings                             <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• Error memory</li> <li>• Current values                             <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• Actuators                             <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> </ul> </li> </ul>

					- Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **C-Klasse [203] Sportcoupe - C 350 Sportcoupe**

Year	Engine	Liters	HP	System	Functions
2005/06 - 2008/02	M 272.960	3.5	272	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **C-Klasse [203] Sportcoupe - C 160 KOMPRESSOR Sportcoupe**

Year	Engine	Liters	HP	System	Functions
2005/06 - 2008/02	M 271.921	1.8	122	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ C-Klasse [203] T-Modell - C 32 AMG KOMPRESSOR T-Modell**

Year	Engine	Liters	HP	System	Functions
2001/01 - 2004/01	M 112.961	3.2	354	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ C-Klasse [203] T-Modell - C 200 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
2001/10 - 2003/02	OM 611.962	2.2	116	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2003/03 - 2007/08	OM64696...	2.2	122	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **C-Klasse [203] T-Modell - C 220 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
2001/01 - 2003/02	OM 611.962	2.2	143	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>



				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2003/03 - 2007/08	OM 646.963	2.2	150	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] T-Modell - C 270 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
2001/01 - 2004/08	OM 612.962	2.7	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**

**C-Klasse [203] T-Modell - C 180 T-Modell**

Year	Engine	Liters	HP	System	Functions
2001/01 - 2002/08	M 111.951	2.0	129	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**

**C-Klasse [203] T-Modell - C 200 KOMPRESSOR T-Modell**

Year	Engine	Liters	HP	System	Functions
2001/01 - 2002/08	M 111.955	2.0	163	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

2002/09 - 2007/08	M 271.940	1.8	163	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

MERCEDES BENZ					C-Klasse [203] T-Modell - C 240 T-Modell	
Year	Engine	Liters	HP	System	Functions	
2001/01 - 2005/05	M 112.912	2.6	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>	
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>	

MERCEDES BENZ					C-Klasse [203] T-Modell - C 320 T-Modell	
Year	Engine	Liters	HP	System	Functions	

2001/01 - 2005/05	M 112.946	3.2	218	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

MERCEDES BENZ		C-Klasse [203] T-Modell - C 30 CDI AMG T-Modell			
Year	Engine	Liters	HP	System	Functions
2003/01 - 2004/08	OM 612.990	3.0	231	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

MERCEDES BENZ		C-Klasse [203] T-Modell - C 240 4MATIC T-Modell			
Year	Engine	Liters	HP	System	Functions

2002/09 - 2005/06	M 112.916	2.6	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] T-Modell - C 320 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
2002/09 - 2005/06	M 112.953	3.2	218	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] T-Modell - C 200 CGI KOMPRESSOR T-Modell**

Year	Engine	Liters	HP	System	Functions
2003/04 - 2004/08	M 271.942	1.8	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] T-Modell - C 55 AMG T-Modell**

Year	Engine	Liters	HP	System	Functions
2004/02 - 2007/08	M 113.988	5.4	367	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] T-Modell - C 230 KOMPRESSOR T-Modell**

Year	Engine	Liters	HP	System	Functions
2004/02 - 2005/05	M 271.948	1.8	192	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] T-Modell - C 180 KOMPRESSOR T-Modell**

Year	Engine	Liters	HP	System	Functions
2002/09 - 2007/08	M 271.946	1.8	143	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] T-Modell - C 320 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
2004/09 - 2007/08	OM 642.910	3.0	224	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**C-Klasse [203] T-Modell - C 230 T-Modell**

Year	Engine	Liters	HP	System	Functions
2005/06 - 2007/08	M 272.920	2.5	204	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>



Year	Engine	Liters	HP	System	Functions
2005/06 - 2007/08	M 272.940	3.0	231	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

Year	Engine	Liters	HP	System	Functions
2005/07 - 2007/08	M 272.941	3.0	231	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**

**C-Klasse [203] T-Modell - C 350 T-Modell**

Year	Engine	Liters	HP	System	Functions
2005/06 - 2007/08	M 272.960	3.5	272	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**

**C-Klasse [203] T-Modell - C 350 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
2005/07 - 2007/08	M 272.970	3.5	272	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> </ul>

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Lights control  
XALWA (Master) 204

- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading

Lights control  
XALWA (Slave) 204

- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level

					<ul style="list-style-type: none"> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2008/04	OM 651.913	2.1	136	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> </ul> </li> </ul>

Intelligent Light System (Master) 204

- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

MERCEDES BENZ

C-Klasse [204] - C 220 CDI

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30

Underbody/Steering  
Adaptive suspension system 4.0

- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right



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Lights control  
Intelligent Light System (Master) 204

Lights control  
XALWA (Slave) 204

- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a

• **Actuators**

- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Move left headlight range control to maximum position
- Move left headlight range control to minimum position
- Move left headlight range control to central position

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Zero point programming axle sensors

• **Error memory**

• **Current values**

- Vehicle driving speed
- Turning angle sensor
- Control unit power supply
- Terminal 61
- Axle sensor signal, front
- Axle sensor signal, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a

• **Actuators**

- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- Left cornering light, left swivel
- Left cornering light, right swivel
- Left cornering light in center position
- Country light
- Move left headlight range control to maximum position
- Move left headlight range control to minimum position
- Move left headlight range control to central position
- Cornering light in center position
- Xenon light power increase
- Xenon light standard power
- Fog light

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- Control unit power supply
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Voltage at terminal 56a

• **Actuators**

- Move right headlight range control to maximum position
- Move right headlight range control to minimum position
- Move right headlight range control to central position

• **Identification**

• **Clear errors**

• **Error memory**

Lights control  
Intelligent Light System (Slave) 204

- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut

2008/12	OM 651.911	2.1	170	<p>- Charging the rear left spring strut</p> <p>- Charging the rear right spring strut</p> <p>- Central pressure accum., pressure discharge</p> <p>- Central accumulator valve</p> <p>- Air suspension compressor relay</p> <p>- Front left damper valve actuation</p> <p>- Front right damper valve actuation</p> <p>- Rear left damper valve actuation</p> <p>- Rear right damper valve actuation</p>	
				<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
				Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [204] - C 320 CDI</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> </ul> </li> </ul>

2007/06  
-  
2009/04

OM 642.960

3.0

224

Underbody/Steering  
Adaptive suspension system 4.0

- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**

<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> </ul> </li> </ul>

- Move right headlight range control to minimum position
- Move right headlight range control to central position
- Xenon light power increase
- Xenon light standard power

**MERCEDES BENZ C-Klasse [204] - C 180 KOMPRESSOR**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>

2007/01  
-  
2008/10

M 271.952

1.8

156

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

- **Identification**
- **Clear errors**



Lights control  
XALWA (Slave) 204

- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime

				<ul style="list-style-type: none"> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2008/04 - 2010/04	M 271.910	1.6	156	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Master) 204

- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] - C 200 KOMPRESSOR**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> </ul> </li> </ul>

Underbody/Steering  
Adaptive suspension system 4.0

- CAN-bus, steering wheel rotation sensor
- Speed reading
- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage

2007/03  
-  
2010/04

M 271.950

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Lights control  
Intelligent Light System (Master) 204

Lights control  
XALWA (Slave) 204

- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] - C 230**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
2007/08 - 2009/04	M 272.921	2.5	204	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
				Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [204] - C 280</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> </ul> </li> </ul>



Underbody/Steering  
Adaptive suspension system 4.0

- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position

	<ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul>
<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Slave) 204

- Main beam switch
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] - C 350**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> </ul> </li> </ul>

2007/03 - 2010/12	M 272.961	3.5	272	<p>- Charging the rear right spring strut</p> <p>- Central pressure accum., pressure discharge</p> <p>- Central accumulator valve</p> <p>- Air suspension compressor relay</p> <p>- Front left damper valve actuation</p> <p>- Front right damper valve actuation</p> <p>- Rear left damper valve actuation</p> <p>- Rear right damper valve actuation</p>	
				<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
			Lights control XALWA (Slave) 204		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
			Lights control Intelligent Light System (Slave) 204		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

**MERCEDES BENZ**
**C-Klasse [204] - C 320 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> </ul> </li> </ul>

2007/07  
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OM 642.961

3.0

224

Underbody/Steering  
Adaptive suspension system 4.0

- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors

Lights control  
Intelligent Light System (Master) 204

- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position

- Move right headlight range control to central position
- Xenon light power increase
- Xenon light standard power

**MERCEDES BENZ** **C-Klasse [204] - C 280 4MATIC**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>



<p>2007/07 - 2009/04</p>	<p>M 272.948</p>	<p>3.0</p>	<p>231</p>	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>

Lights control  
XALWA (Slave) 204

- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] - C 350 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2007/07 - 2010/12	M 272.971	3.5	272	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Master) 204

- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

MERCEDES BENZ

C-Klasse [204] - C 230 4MATIC

Year

Engine

Liters

HP

System

Functions

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front

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204

Lights control  
XALWA (Master) 204

- Axle sensor signal, rear
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a

					<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [204] - C 63 AMG</b>
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> </ul>

2008/02	M 156.985	6.2	457		<ul style="list-style-type: none"> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2008/02	M 156.985	6.2	457	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> </ul> </li> </ul>



Intelligent Light System (Master) 204

- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] - C 250 CDI**

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30

Underbody/Steering  
Adaptive suspension system 4.0

- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right

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Lights control  
Intelligent Light System (Master) 204

Lights control  
XALWA (Slave) 204

- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**

Lights control  
Intelligent Light System (Slave) 204

- Control unit power supply
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] - C 350 CGI**

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut

2008/09 - 2011/01	M 272.982	3.5	292		<ul style="list-style-type: none"> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
				<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> </ul> </li> </ul>

- Left cornering light, right swivel
- Left cornering light in center position
- Country light
- Move left headlight range control to maximum position
- Move left headlight range control to minimum position
- Move left headlight range control to central position
- Cornering light in center position
- Xenon light power increase
- Xenon light standard power
- Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal

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Underbody/Steering  
Adaptive suspension system 4.0

- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors

<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>



- Xenon light power increase
- Xenon light standard power

MERCEDES BENZ				C-Klasse [204] - C 200 CGI	
Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

2009/04	M2718...	1.8	184	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>

Lights control  
XALWA (Slave) 204

- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] - C 250 CGI**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2009/04	M 271.860	1.8	204	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Master) 204

- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front

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Lights control  
XALWA (Master) 204

- Axle sensor signal, rear
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a

				<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul>
			<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>
			<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> </ul> </li> </ul>



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Lights control  
XALWA (Master) 204

Lights control  
Intelligent Light System (Master) 204

- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position

				<ul style="list-style-type: none"> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
			Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
			Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> </ul> </li> </ul>

2011/02  
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OM 642.834 3.0 265

Underbody/Steering  
Adaptive suspension system 4.0

- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

• **Identification**

Lights control  
Intelligent Light System (Master) 204

- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel

- Right cornering light in center position
- Move right headlight range control to maximum position
- Move right headlight range control to minimum position
- Move right headlight range control to central position
- Xenon light power increase
- Xenon light standard power

**MERCEDES BENZ** **C-Klasse [204] - C 350 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>- Rear right damper valve actuation</li> </ul>
2009/10	OM 642.832	3.0	231	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level

2009/05 - 2009/09	OM 642.961	3.0	224	<ul style="list-style-type: none"> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
			<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> </ul> </li> </ul>



Lights control  
Intelligent Light System (Master) 204

- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

MERCEDES BENZ

C-Klasse [204] - C 180 CGI

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**

Underbody/Steering  
Adaptive suspension system 4.0

- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage

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Lights control  
XALWA (Master) 204

- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position

					<ul style="list-style-type: none"> <li>- Move right headlight range control to central position</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>
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**MERCEDES BENZ** **C-Klasse [204] - C 250 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> </ul> </li> </ul>

2010/04	OM 651.912	2.1	204	<ul style="list-style-type: none"> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
			<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
			<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
			Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>	
			Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>	

<b>MERCEDES BENZ</b>	<b>C-Klasse [204] - C 250 4MATIC</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> </ul> </li> </ul>

Underbody/Steering  
Adaptive suspension system 4.0

- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**

-	M 272.911	2.5	0		<ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
				<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> </ul> </li> </ul>



Lights control  
Intelligent Light System (Slave) 204

- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] - C 250**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> </ul> </li> </ul>

2009/05  
-  
2010/12

M 272.921

2.5

204

Lights control  
XALWA (Master) 204

- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light

- Move left headlight range control to maximum position
- Move left headlight range control to minimum position
- Move left headlight range control to central position
- Cornering light in center position
- Xenon light power increase
- Xenon light standard power
- Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] - C 300**

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height

2009/05  
-  
2011/01

M 272.947

3.0

231

Underbody/Steering  
Adaptive suspension system 4.0

- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**

Lights control  
Intelligent Light System (Master) 204

- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

- Move right headlight range control to maximum position
- Move right headlight range control to minimum position
- Move right headlight range control to central position
- Xenon light power increase
- Xenon light standard power

**MERCEDES BENZ** **C-Klasse [204] - C 300 4MATIC**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
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Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

- **Identification**

Lights control  
XALWA (Slave) 204

- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] - C 180 CDI**

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status



				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2010/10	OM 651.913	2.1	120	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Master) 204

- Axle sensor signal, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> </ul> </li> </ul>

2011/01	M 276.957	3.5	306	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
				<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b></li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b></li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [204] Coupe - C 220 CDI Coupe</b>
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> </ul>

					<ul style="list-style-type: none"> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/03	OM 651.911	2.1	170	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> </ul> </li> </ul>

Intelligent Light System (Master) 204

- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

MERCEDES BENZ

C-Klasse [204] Coupe - C 250 CDI Coupe

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading

Underbody/Steering  
Adaptive suspension system 4.0

- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left



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- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a

• **Actuators**

- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Move left headlight range control to maximum position
- Move left headlight range control to minimum position
- Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Zero point programming axle sensors

• **Error memory**

• **Current values**

- Vehicle driving speed
- Turning angle sensor
- Control unit power supply
- Terminal 61
- Axle sensor signal, front
- Axle sensor signal, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a

• **Actuators**

- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- Left cornering light, left swivel
- Left cornering light, right swivel
- Left cornering light in center position
- Country light
- Move left headlight range control to maximum position
- Move left headlight range control to minimum position
- Move left headlight range control to central position
- Cornering light in center position
- Xenon light power increase
- Xenon light standard power
- Fog light

Lights control  
XALWA (Slave) 204

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- Control unit power supply
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Voltage at terminal 56a

• **Actuators**

- Move right headlight range control to maximum position
- Move right headlight range control to minimum position
- Move right headlight range control to central position

• **Identification**

• **Clear errors**

Lights control  
Intelligent Light System (Slave) 204

- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ** **C-Klasse [204] Coupe - C 250 CGI Coupe**

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut

				<ul style="list-style-type: none"> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
2011/03	M 271.860	1.8	204	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
				Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

**MERCEDES BENZ C-Klasse [204] Coupe - C 180 CGI Coupe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> </ul> </li> </ul>

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Underbody/Steering  
Adaptive suspension system 4.0

- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position

	<ul style="list-style-type: none"> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul>
<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> </ul>

- **Actuators**
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- Move right headlight range control to maximum position
- Move right headlight range control to minimum position
- Move right headlight range control to central position
- Xenon light power increase
- Xenon light standard power

**MERCEDES BENZ** **C-Klasse [204] Coupe - C 350 CGI Coupe**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b></li> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> </ul>
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					<ul style="list-style-type: none"> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
2011/03	M 276.957	3.5	306	Lights control XALWA (Master) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				Lights control Intelligent Light System (Master) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
				Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [204] Coupe - C 63 AMG Coupe</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> </ul> </li> </ul>

2011/03  
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M 156.985

6.2

457

Underbody/Steering  
Adaptive suspension system 4.0

- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**

Lights control  
Intelligent Light System (Master) 204

- Vehicle driving speed
- Turning angle sensor
- Control unit power supply
- Terminal 61
- Axle sensor signal, front
- Axle sensor signal, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase

- Xenon light standard power

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply

2011/06

M 156.985

6.2

517

Lights control  
XALWA (Master) 204

- Terminal 61
- Axle sensor signal, front
- Axle sensor signal, rear
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch

					<ul style="list-style-type: none"> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [204] T-Modell - C 200 CDI T-Modell</b>
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> </ul> </li> </ul>

2007/09 - 2009/10	OM 646.811	2.2	136		<ul style="list-style-type: none"> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
				<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> </ul> </li> </ul>

<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left



Underbody/Steering  
Adaptive suspension system 4.0

- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**

	<ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul>
<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Slave) 204

- Lamp intensity
- Main beam switch
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

MERCEDES BENZ

C-Klasse [204] T-Modell - C 220 CDI T-Modell

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> </ul> </li> </ul>

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Lights control  
XALWA (Master) 204

- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light

				<ul style="list-style-type: none"> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
			Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
			Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> </ul> </li> </ul>

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2009/04	OM 651.911	2.1	170	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Master) 204

- Control unit power supply
- Terminal 61
- Axle sensor signal, front
- Axle sensor signal, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> </ul>



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Lights control  
XALWA (Master) 204

- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading

Lights control  
XALWA (Slave) 204

- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] T-Modell - C 320 CDI 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> </ul> </li> </ul>

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Lights control  
XALWA (Master) 204

- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity

Lights control  
Intelligent Light System (Master) 204

- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

MERCEDES BENZ

C-Klasse [204] T-Modell - C 180 KOMPRESSOR T-Modell

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**

Underbody/Steering  
Adaptive suspension system 4.0

- All doors status
- CAN-bus, steering wheel rotation sensor
- Speed reading
- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position

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XALWA (Master) 204

- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ C-Klasse [204] T-Modell - C 200 KOMPRESSOR T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> </ul> </li> </ul>

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Lights control  
XALWA (Master) 204

Lights control  
Intelligent Light System (Master) 204

- Level valve rear right
- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position



					<ul style="list-style-type: none"> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
			Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>	
			Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>	

<b>MERCEDES BENZ</b>	<b>C-Klasse [204] T-Modell - C 230 T-Modell</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> </ul> </li> </ul>

Underbody/Steering  
Adaptive suspension system 4.0

- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
- Level valve front left
- Level valve front right
- Rear left, level valve
- Level valve rear right
- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
- Zero point programming axle sensors
- **Error memory**
- **Current values**
- Vehicle driving speed
- Control unit power supply
- Terminal 61
- Axle sensor signal, front
- Axle sensor signal, rear
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
- Driving with headlights range in central position

	<ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul>
<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Slave) 204

- Main beam switch
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] T-Modell - C 280 T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>

2007/09 - 2009/03	M 272.947	3.0	231	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
				Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [204] T-Modell - C 350 T-Modell</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> </ul> </li> </ul>

2007/09  
-  
2010/12

M 272.961

3.5

272

Underbody/Steering  
Adaptive suspension system 4.0

- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors

Lights control  
Intelligent Light System (Master) 204

- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position



- Xenon light power increase
- Xenon light standard power

MERCEDES BENZ				C-Klasse [204] T-Modell - C 63 AMG T-Modell	
Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

2008/02	M 156.985	6.2	457	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>

Lights control  
XALWA (Slave) 204

- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] T-Modell - C 180 KOMPRESSOR BlueEFFICIENCY T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2008/09 - 2010/04	M 271.910	1.6	156	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Master) 204

- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front

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Lights control  
XALWA (Master) 204

- Axle sensor signal, rear
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a

					<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b></li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul>

**MERCEDES BENZ** **C-Klasse [204] T-Modell - C 250 CGI T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul>



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- **Actuators**
- Level valve front left
- Level valve front right
- Rear left, level valve
- Level valve rear right
- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- Lights control  
 XALWA (Master) 204
- **Identification**
  - **Clear errors**
  - **Adjustments / settings**
    - Zero point programming axle sensors
  - **Error memory**
  - **Current values**
    - Vehicle driving speed
    - Control unit power supply
    - Terminal 61
    - Axle sensor signal, front
    - Axle sensor signal, rear
    - Kilometer reading
    - Terminal 56b voltage
    - Lights vertical regulation servo motor position
    - Lamp, ignition voltage
    - Lamp intensity
    - Wheel speed front left
    - Wheel speed front right
    - Main beam switch
    - Headlights Zero position
    - Voltage at terminal 56a
  - **Actuators**
    - Driving with headlights range in central position
    - Driving with headlights range in maximum position
    - Driving with headlights range in minimum position
    - Move left headlight range control to maximum position
    - Move left headlight range control to minimum position
    - Move left headlight range control to central position

- Lights control  
 Intelligent Light System (Master) 204
- **Identification**
  - **Clear errors**
  - **Adjustments / settings**
    - Zero point programming axle sensors
  - **Error memory**
  - **Current values**
    - Vehicle driving speed
    - Turning angle sensor
    - Control unit power supply
    - Terminal 61
    - Axle sensor signal, front
    - Axle sensor signal, rear
    - Terminal 56b voltage
    - Lights vertical regulation servo motor position
    - Lamp, ignition voltage
    - Lamp intensity
    - Wheel speed front left
    - Wheel speed front right
    - Main beam switch
    - Steered headlights position
    - Headlights Zero position
    - Status light control

					<ul style="list-style-type: none"> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
			Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>	
			Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>	

MERCEDES BENZ				C-Klasse [204] T-Modell - C 250 CDI T-Modell	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> </ul> </li> </ul>

Underbody/Steering  
Adaptive suspension system 4.0

- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position

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- Voltage at terminal 56a

• **Actuators**

- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Move left headlight range control to maximum position
- Move left headlight range control to minimum position
- Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Zero point programming axle sensors

• **Error memory**

• **Current values**

- Vehicle driving speed
- Turning angle sensor
- Control unit power supply
- Terminal 61
- Axle sensor signal, front
- Axle sensor signal, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a

• **Actuators**

- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- Left cornering light, left swivel
- Left cornering light, right swivel
- Left cornering light in center position
- Country light
- Move left headlight range control to maximum position
- Move left headlight range control to minimum position
- Move left headlight range control to central position
- Cornering light in center position
- Xenon light power increase
- Xenon light standard power
- Fog light

Lights control  
XALWA (Slave) 204

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- Control unit power supply
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Voltage at terminal 56a

• **Actuators**

- Move right headlight range control to maximum position
- Move right headlight range control to minimum position
- Move right headlight range control to central position

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- Control unit power supply

Lights control  
Intelligent Light System (Slave) 204

- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] T-Modell - C 350 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> </ul> </li> </ul>

2009/10 - 2011/01	OM 642.830	3.0	231	<ul style="list-style-type: none"> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
			Lights control XALWA (Master) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
			Lights control Intelligent Light System (Master) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
			Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
			Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> </ul> </li> </ul>

2011/02

OM 642.834

3.0

265

Underbody/Steering  
Adaptive suspension system 4.0

- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**



Lights control  
Intelligent Light System (Master) 204

- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

- Xenon light power increase
- Xenon light standard power

**MERCEDES BENZ** **C-Klasse [204] T-Modell - C 350 CDI 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

2009/10	OM 642.832	3.0	231	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

Lights control  
XALWA (Slave) 204

- Control unit power supply
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ C-Klasse [204] T-Modell - C 180 CGI T-Modell**

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level

2009/10 - 2012/04	M 271.820	1.8	156		<ul style="list-style-type: none"> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
				Lights control XALWA (Master) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Master) 204

- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

MERCEDES BENZ

C-Klasse [204] T-Modell - C 250 CDI 4MATIC T-Modell

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**

Underbody/Steering  
Adaptive suspension system 4.0

- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading

2010/04	OM 651.912	2.1	204	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
				<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul>
				<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>C-Klasse [204] T-Modell - C 180 CDI T-Modell</b>
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Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
2011/01	OM 651.913	2.1	120	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>

				<ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
			Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
			Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

MERCEDES BENZ				C-Klasse [204] T-Modell - C 350 CGI T-Modell	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> </ul> </li> </ul>

Underbody/Steering  
Adaptive suspension system 4.0

- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a

	<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul>
<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Zero point programming axle sensors</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b></li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b></li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> </ul>

Lights control  
Intelligent Light System (Slave) 204

- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**C-Klasse [204] T-Modell - C 300 T-Modell**

Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> </ul> </li> </ul>

2009/04 - 2011/01	M 272.947	3.0	231	<ul style="list-style-type: none"> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
				<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
				Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

**MERCEDES BENZ** **C-Klasse [204] T-Modell - C 250 T-Modell**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> </ul> </li> </ul>



2009/05  
-  
2010/12

M 272.921

2.5

204

Underbody/Steering  
Adaptive suspension system 4.0

- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**

Lights control  
Intelligent Light System (Master) 204

- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position

- Move right headlight range control to minimum position
- Move right headlight range control to central position
- Xenon light power increase
- Xenon light standard power

MERCEDES BENZ		CL-Klasse [215] - CL 500 Coupe			
Year	Engine	Liters	HP	System	Functions
1999/09 - 2006/05	M 113.960	5.0	306	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>

MERCEDES BENZ		CL-Klasse [215] - CL 600 Coupe			
Year	Engine	Liters	HP	System	Functions
1999/09 - 2002/08	M 137.970	5.8	367	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> </ul> </li> </ul>

					- Rear right belt comfort fit actuator solenoid valve - Rear blinker
2002/09 - 2006/08	M 275.950	5.5	500	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>

MERCEDES BENZ					
CL-Klasse [215] - CL 55 AMG Coupe					
Year	Engine	Liters	HP	System	Functions
1999/09 - 2002/08	M 113.986	5.4	360	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>

MERCEDES BENZ					
CL-Klasse [215] - CL 55 AMG KOMPRESSOR Coupe					
Year	Engine	Liters	HP	System	Functions

2002/09 - 2006/08	M 113.991	5.4	500	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
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**MERCEDES BENZ** **CL-Klasse [215] - CL 65 AMG Coupe**

Year	Engine	Liters	HP	System	Functions
2003/09 - 2006/08	M 275.980	6.0	612	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>

**MERCEDES BENZ** **CL-Klasse [216] - CL 500 Coupe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b></li> </ul>

Underbody/Steering  
Level control 2.3

- Pressure supply test
- **Error memory**
- **Current values**
  - Level switch
  - CAN message, engine revolutions signal
  - Car level (horizontality) sensor: rear
  - CAN-bus, steering wheel rotation sensor
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Load level button LED
  - Chassis height
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left level valve current consumption
  - Front right level valve current consumption
  - Rear right level valve current consumption
  - Rear left level valve current consumption
  - Front left damper valve 1 current consumption
  - Front left damper valve 2 current consumption
  - Front right damper valve 1 current consumption
  - Front right damper valve 2 current consumption
  - Rear left damper valve 1 current consumption
  - Rear left damper valve 2 current consumption
  - Rear right damper valve 1 current consumption
  - Rear right damper valve 2 current consumption
  - Vehicle level sensor front left signal 1
  - Vehicle level sensor front right signal 1
  - Vehicle level sensor rear axle signal 1
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Current consumption pressure reduction valve
  - Sport-mode, button
  - Compressor, runtime
  - Damper mode
  - Central accumulator valve power input
  - Terminal 87
  - Sports mode LED
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Front right damper valve 1
  - Front right damper valve 2
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Button LED

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Passenger compartment key detection
  - Luggage compartment key recognition
- **Error memory**
- **Current values**
  - Power supply
  - Sensor, front left
  - Sensor, front right

				<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul>
				<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
<p>2006/06 - 2010/07</p>	<p>M 273.961</p>	<p>5.5</p>	<p>388</p>	<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> </ul> </li> </ul>

<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> <li>- Rear right wheel acceleration</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control XALWA Master</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Rear axle sensor</li> <li>- Front axle sensor</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> </ul> </li> </ul>



- Driving with headlights range in minimum position
- Static left turning light
- Steered headlights to the left
- Steered headlights to the right
- Left cornering light, left swivel
- Left cornering light, right swivel
- Left cornering light in center position
- Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ** **CL-Klasse [216] - CL 600 Coupe**

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test

Underbody/Steering  
Level control 2.3

- **Error memory**
- **Current values**
  - Level switch
  - CAN message, engine revolutions signal
  - Car level (horizontality) sensor: rear
  - CAN-bus, steering wheel rotation sensor
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Load level button LED
  - Chassis height
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left level valve current consumption
  - Front right level valve current consumption
  - Rear right level valve current consumption
  - Rear left level valve current consumption
  - Front left damper valve 1 current consumption
  - Front left damper valve 2 current consumption
  - Front right damper valve 1 current consumption
  - Front right damper valve 2 current consumption
  - Rear left damper valve 1 current consumption
  - Rear left damper valve 2 current consumption
  - Rear right damper valve 1 current consumption
  - Rear right damper valve 2 current consumption
  - Vehicle level sensor front left signal 1
  - Vehicle level sensor front right signal 1
  - Vehicle level sensor rear axle signal 1
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Current consumption pressure reduction valve
  - Sport-mode, button
  - Compressor, runtime
  - Damper mode
  - Central accumulator valve power input
  - Terminal 87
  - Sports mode LED
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Front right damper valve 1
  - Front right damper valve 2
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Button LED

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Passenger compartment key detection
  - Luggage compartment key recognition
- **Error memory**
- **Current values**
  - Power supply
  - Sensor, front left
  - Sensor, front right
  - Rear left sensor

			<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul>
			<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
<p>2006/09 -</p>	<p>M 275.953</p>	<p>5.5</p>	<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA High Line (Master)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position

- Static left turning light
- Steered headlights to the left
- Steered headlights to the right
- Left cornering light, left swivel
- Left cornering light, right swivel
- Left cornering light in center position
- Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

MERCEDES BENZ

CL-Klasse [216] - CL 63 AMG Coupe

Year Engine Liters HP

System

Functions

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test

Underbody/Steering  
Level control 2.3

- **Error memory**
- **Current values**
  - Level switch
  - CAN message, engine revolutions signal
  - Car level (horizontality) sensor: rear
  - CAN-bus, steering wheel rotation sensor
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Load level button LED
  - Chassis height
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left level valve current consumption
  - Front right level valve current consumption
  - Rear right level valve current consumption
  - Rear left level valve current consumption
  - Front left damper valve 1 current consumption
  - Front left damper valve 2 current consumption
  - Front right damper valve 1 current consumption
  - Front right damper valve 2 current consumption
  - Rear left damper valve 1 current consumption
  - Rear left damper valve 2 current consumption
  - Rear right damper valve 1 current consumption
  - Rear right damper valve 2 current consumption
  - Vehicle level sensor front left signal 1
  - Vehicle level sensor front right signal 1
  - Vehicle level sensor rear axle signal 1
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Current consumption pressure reduction valve
  - Sport-mode, button
  - Compressor, runtime
  - Damper mode
  - Central accumulator valve power input
  - Terminal 87
  - Sports mode LED
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Front right damper valve 1
  - Front right damper valve 2
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Button LED

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Passenger compartment key detection
  - Luggage compartment key recognition
- **Error memory**
- **Current values**
  - Power supply
  - Sensor, front left
  - Sensor, front right
  - Rear left sensor

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525

Immobilizer  
Access system/immobilizer 2.3

- Rear right sensor
- Door handle sensor, front left
- Door handle sensor, front right
- Door handle sensor, rear left
- Door handle sensor, rear right
- Rear left door antenna
- Rear right door antenna
- Luggage compartment antenna
- Keyless Go equipment
- Front interior antenna
- Rear interior antenna
- Rear lid handle sensor
- Front left door exterior handle
- Front right door exterior handle
- Rear left door exterior handle
- Rear right door exterior handle

Electrical energy management  
Battery management 2.3

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Reset event counter
- **Error memory**
- **Current values**
  - Fire protection
  - Battery coupling relay
  - Starter battery voltage
  - Vehicle electrical system battery voltage
  - Battery coupling relay last cut-in mileage
  - Battery coupling relay cut-ins
  - Closed circuit relay
  - Charge converter charging current
  - Internal charge converter
  - Battery coupling relay active: Cause
  - Number of load deactivations
  - Number of vehicle electrical system warnings
  - Last vehicle electrical system warning mileage
  - Vehicle electrical system warning: Cause
  - Number of closed circuit relay activations
  - Last closed circuit relay activation
  - Closed circuit relay activation: Cause
  - Control unit temperature
  - Loads switch off

Tire control system  
Tire pressure monitor 2.2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Tire inflation pressure set value change
  - Enter sensor code manually
- **Error memory**
- **Current values**
  - Battery voltage
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front axle tire pressure set value
  - Rear axle tire pressure set value
  - Front left wheel acceleration
  - Front right wheel acceleration
  - Rear left wheel acceleration
  - Rear right wheel acceleration

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA High Line (Master)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position



- Driving with headlights range in minimum position
- Static left turning light
- Steered headlights to the left
- Steered headlights to the right
- Left cornering light, left swivel
- Left cornering light, right swivel
- Left cornering light in center position
- Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Level switch
  - CAN message, engine revolutions signal
  - Car level (horizontality) sensor: rear
  - CAN-bus, steering wheel rotation sensor

Underbody/Steering  
Level control 2.3

- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Load level button LED
- Chassis height
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left level valve current consumption
- Front right level valve current consumption
- Rear right level valve current consumption
- Rear left level valve current consumption
- Front left damper valve 1 current consumption
- Front left damper valve 2 current consumption
- Front right damper valve 1 current consumption
- Front right damper valve 2 current consumption
- Rear left damper valve 1 current consumption
- Rear left damper valve 2 current consumption
- Rear right damper valve 1 current consumption
- Rear right damper valve 2 current consumption
- Vehicle level sensor front left signal 1
- Vehicle level sensor front right signal 1
- Vehicle level sensor rear axle signal 1
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Current consumption pressure reduction valve
- Sport-mode, button
- Compressor, runtime
- Damper mode
- Central accumulator valve power input
- Terminal 87
- Sports mode LED
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Front right damper valve 1
  - Front right damper valve 2
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Button LED

Immobilizer  
Access system/immobilizer 2.3

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Passenger compartment key detection
  - Luggage compartment key recognition
- **Error memory**
- **Current values**
  - Power supply
  - Sensor, front left
  - Sensor, front right
  - Rear left sensor
  - Rear right sensor
  - Door handle sensor, front left
  - Door handle sensor, front right
  - Door handle sensor, rear left
  - Door handle sensor, rear right
  - Rear left door antenna

					<ul style="list-style-type: none"> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul>
				Electrical energy management Battery management 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
				Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>
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Lights control  
XALWA Master

- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA High Line (Master)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel

					<ul style="list-style-type: none"> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul>
				Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>
				Lights control XALWA High Line (Slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

**MERCEDES BENZ** **CL-Klasse [216] - CL 65 AMG Coupe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> </ul> </li> </ul>

Underbody/Steering  
Level control 2.3

- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Load level button LED
- Chassis height
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left level valve current consumption
- Front right level valve current consumption
- Rear right level valve current consumption
- Rear left level valve current consumption
- Front left damper valve 1 current consumption
- Front left damper valve 2 current consumption
- Front right damper valve 1 current consumption
- Front right damper valve 2 current consumption
- Rear left damper valve 1 current consumption
- Rear left damper valve 2 current consumption
- Rear right damper valve 1 current consumption
- Rear right damper valve 2 current consumption
- Vehicle level sensor front left signal 1
- Vehicle level sensor front right signal 1
- Vehicle level sensor rear axle signal 1
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Current consumption pressure reduction valve
- Sport-mode, button
- Compressor, runtime
- Damper mode
- Central accumulator valve power input
- Terminal 87
- Sports mode LED

• **Actuators**

- Front left damper valve 1
- Front left damper valve 2
- Front right damper valve 1
- Front right damper valve 2
- Rear left damper valve 1
- Rear left damper valve 2
- Rear right damper valve 1
- Rear right damper valve 2
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Centr. pressure accum., charging
- Button LED

Immobilizer  
Access system/immobilizer 2.3

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Passenger compartment key detection
- Luggage compartment key recognition

• **Error memory**

• **Current values**

- Power supply
- Sensor, front left
- Sensor, front right
- Rear left sensor
- Rear right sensor
- Door handle sensor, front left
- Door handle sensor, front right
- Door handle sensor, rear left
- Door handle sensor, rear right
- Rear left door antenna

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				<ul style="list-style-type: none"><li>- Rear right door antenna</li><li>- Luggage compartment antenna</li><li>- Keyless Go equipment</li><li>- Front interior antenna</li><li>- Rear interior antenna</li><li>- Rear lid handle sensor</li><li>- Front left door exterior handle</li><li>- Front right door exterior handle</li><li>- Rear left door exterior handle</li><li>- Rear right door exterior handle</li></ul>
			Electrical energy management Battery management 2.3	<ul style="list-style-type: none"><li>• <b>Identification</b></li><li>• <b>Clear errors</b></li><li>• <b>Adjustments / settings</b><ul style="list-style-type: none"><li>- Reset event counter</li></ul></li><li>• <b>Error memory</b></li><li>• <b>Current values</b><ul style="list-style-type: none"><li>- Fire protection</li><li>- Battery coupling relay</li><li>- Starter battery voltage</li><li>- Vehicle electrical system battery voltage</li><li>- Battery coupling relay last cut-in mileage</li><li>- Battery coupling relay cut-ins</li><li>- Closed circuit relay</li><li>- Charge converter charging current</li><li>- Internal charge converter</li><li>- Battery coupling relay active: Cause</li><li>- Number of load deactivations</li><li>- Number of vehicle electrical system warnings</li><li>- Last vehicle electrical system warning mileage</li><li>- Vehicle electrical system warning: Cause</li><li>- Number of closed circuit relay activations</li><li>- Last closed circuit relay activation</li><li>- Closed circuit relay activation: Cause</li><li>- Control unit temperature</li><li>- Loads switch off</li></ul></li></ul>
			Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"><li>• <b>Identification</b></li><li>• <b>Clear errors</b></li><li>• <b>Adjustments / settings</b><ul style="list-style-type: none"><li>- Tire inflation pressure set value change</li><li>- Enter sensor code manually</li></ul></li><li>• <b>Error memory</b></li><li>• <b>Current values</b><ul style="list-style-type: none"><li>- Battery voltage</li><li>- Rear left tire temperature</li><li>- Rear right tire temperature</li><li>- Front left tire temperature</li><li>- Front right tire temperature</li><li>- Rear left sensor code</li><li>- Rear right sensor code</li><li>- Front left sensor code</li><li>- Front right sensor code</li><li>- Tire pressure, rear right</li><li>- Tire pressure, rear left</li><li>- Tire pressure, front left</li><li>- Tire pressure, front right</li><li>- Front left, inflation pressure, set value</li><li>- Front right, inflation pressure, set value</li><li>- Rear left, inflation pressure, set value</li><li>- Rear right, inflation pressure, set value</li><li>- Front axle tire pressure set value</li><li>- Rear axle tire pressure set value</li><li>- Front left wheel acceleration</li><li>- Front right wheel acceleration</li><li>- Rear left wheel acceleration</li><li>- Rear right wheel acceleration</li></ul></li></ul>
			Diagnosis/bus systems System diagnosis 2.3	<ul style="list-style-type: none"><li>• <b>Identification</b></li><li>• <b>Clear errors</b></li><li>• <b>Error memory</b></li></ul>
				<ul style="list-style-type: none"><li>• <b>Identification</b></li></ul>

Lights control  
XALWA Master

- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA High Line (Master)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel



				<ul style="list-style-type: none"> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>
			Lights control XALWA Slave	
			Lights control XALWA High Line (Slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> </ul> </li> </ul>

Underbody/Steering  
Level control 2.3

- Load level button LED
- Chassis height
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left level valve current consumption
- Front right level valve current consumption
- Rear right level valve current consumption
- Rear left level valve current consumption
- Front left damper valve 1 current consumption
- Front left damper valve 2 current consumption
- Front right damper valve 1 current consumption
- Front right damper valve 2 current consumption
- Rear left damper valve 1 current consumption
- Rear left damper valve 2 current consumption
- Rear right damper valve 1 current consumption
- Rear right damper valve 2 current consumption
- Vehicle level sensor front left signal 1
- Vehicle level sensor front right signal 1
- Vehicle level sensor rear axle signal 1
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Current consumption pressure reduction valve
- Sport-mode, button
- Compressor, runtime
- Damper mode
- Central accumulator valve power input
- Terminal 87
- Sports mode LED

• **Actuators**

- Front left damper valve 1
- Front left damper valve 2
- Front right damper valve 1
- Front right damper valve 2
- Rear left damper valve 1
- Rear left damper valve 2
- Rear right damper valve 1
- Rear right damper valve 2
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Centr. pressure accum., charging
- Button LED

Immobilizer  
Access system/immobilizer 2.3

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Passenger compartment key detection
- Luggage compartment key recognition

• **Error memory**

• **Current values**

- Power supply
- Sensor, front left
- Sensor, front right
- Rear left sensor
- Rear right sensor
- Door handle sensor, front left
- Door handle sensor, front right
- Door handle sensor, rear left
- Door handle sensor, rear right
- Rear left door antenna
- Rear right door antenna
- Luggage compartment antenna
- Keyless Go equipment
- Front interior antenna
- Rear interior antenna
- Rear lid handle sensor

					<ul style="list-style-type: none"> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul>
				<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> </ul> </li> </ul>
2010/07	M 275.982	6.0	630		

Lights control  
XALWA Master

- Steering wheel rotation angle sensor
- reflexive angle
- High beam light
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Steering wheel, steering angle
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Headlights Zero position
- Voltage at terminal 56a
- Front left axle sensor
- Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA High Line (Master)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors

Lights control  
XALWA Slave

- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ**

**CL-Klasse [216] - CL 500 Coupe 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> </ul> </li> </ul>

Underbody/Steering  
Level control 2.3

- Chassis height
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left level valve current consumption
- Front right level valve current consumption
- Rear right level valve current consumption
- Rear left level valve current consumption
- Front left damper valve 1 current consumption
- Front left damper valve 2 current consumption
- Front right damper valve 1 current consumption
- Front right damper valve 2 current consumption
- Rear left damper valve 1 current consumption
- Rear left damper valve 2 current consumption
- Rear right damper valve 1 current consumption
- Rear right damper valve 2 current consumption
- Vehicle level sensor front left signal 1
- Vehicle level sensor front right signal 1
- Vehicle level sensor rear axle signal 1
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Current consumption pressure reduction valve
- Sport-mode, button
- Compressor, runtime
- Damper mode
- Central accumulator valve power input
- Terminal 87
- Sports mode LED

• **Actuators**

- Front left damper valve 1
- Front left damper valve 2
- Front right damper valve 1
- Front right damper valve 2
- Rear left damper valve 1
- Rear left damper valve 2
- Rear right damper valve 1
- Rear right damper valve 2
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Centr. pressure accum., charging
- Button LED

Immobilizer  
Access system/immobilizer 2.3

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Passenger compartment key detection
- Luggage compartment key recognition

• **Error memory**

• **Current values**

- Power supply
- Sensor, front left
- Sensor, front right
- Rear left sensor
- Rear right sensor
- Door handle sensor, front left
- Door handle sensor, front right
- Door handle sensor, rear left
- Door handle sensor, rear right
- Rear left door antenna
- Rear right door antenna
- Luggage compartment antenna
- Keyless Go equipment
- Front interior antenna
- Rear interior antenna
- Rear lid handle sensor
- Front left door exterior handle

					<ul style="list-style-type: none"> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul>
				Electrical energy management Battery management 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
				Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> </ul> </li> </ul>
2008/04 - 2010/07	M 273.968	5.5	388		

Lights control  
XALWA Master

- Steering wheel rotation angle sensor
- reflexive angle
- High beam light
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Steering wheel, steering angle
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Headlights Zero position
- Voltage at terminal 56a
- Front left axle sensor
- Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA High Line (Master)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**



Lights control  
XALWA Slave

- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ** **CL-Klasse [216] - CL 500 CGI Coupe**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> </ul> </li> </ul>
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Underbody/Steering  
Level control 2.3

- Chassis height
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left level valve current consumption
- Front right level valve current consumption
- Rear right level valve current consumption
- Rear left level valve current consumption
- Front left damper valve 1 current consumption
- Front left damper valve 2 current consumption
- Front right damper valve 1 current consumption
- Front right damper valve 2 current consumption
- Rear left damper valve 1 current consumption
- Rear left damper valve 2 current consumption
- Rear right damper valve 1 current consumption
- Rear right damper valve 2 current consumption
- Vehicle level sensor front left signal 1
- Vehicle level sensor front right signal 1
- Vehicle level sensor rear axle signal 1
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Current consumption pressure reduction valve
- Sport-mode, button
- Compressor, runtime
- Damper mode
- Central accumulator valve power input
- Terminal 87
- Sports mode LED

• **Actuators**

- Front left damper valve 1
- Front left damper valve 2
- Front right damper valve 1
- Front right damper valve 2
- Rear left damper valve 1
- Rear left damper valve 2
- Rear right damper valve 1
- Rear right damper valve 2
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Centr. pressure accum., charging
- Button LED

Immobilizer  
Access system/immobilizer 2.3

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Passenger compartment key detection
- Luggage compartment key recognition

• **Error memory**

• **Current values**

- Power supply
- Sensor, front left
- Sensor, front right
- Rear left sensor
- Rear right sensor
- Door handle sensor, front left
- Door handle sensor, front right
- Door handle sensor, rear left
- Door handle sensor, rear right
- Rear left door antenna
- Rear right door antenna
- Luggage compartment antenna
- Keyless Go equipment
- Front interior antenna
- Rear interior antenna
- Rear lid handle sensor
- Front left door exterior handle

					<ul style="list-style-type: none"> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul>
				<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> </ul> </li> </ul>
2010/07	M 278.920	4.7	435		

Lights control  
XALWA Master

- reflexive angle
- High beam light
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Steering wheel, steering angle
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Headlights Zero position
- Voltage at terminal 56a
- Front left axle sensor
- Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA High Line (Master)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**

Lights control  
XALWA Slave

- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

MERCEDES BENZ

CL-Klasse [216] - CL 500 CGI Coupe 4MATIC

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> </ul> </li> </ul>

Underbody/Steering  
Level control 2.3

- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left level valve current consumption
- Front right level valve current consumption
- Rear right level valve current consumption
- Rear left level valve current consumption
- Front left damper valve 1 current consumption
- Front left damper valve 2 current consumption
- Front right damper valve 1 current consumption
- Front right damper valve 2 current consumption
- Rear left damper valve 1 current consumption
- Rear left damper valve 2 current consumption
- Rear right damper valve 1 current consumption
- Rear right damper valve 2 current consumption
- Vehicle level sensor front left signal 1
- Vehicle level sensor front right signal 1
- Vehicle level sensor rear axle signal 1
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Current consumption pressure reduction valve
- Sport-mode, button
- Compressor, runtime
- Damper mode
- Central accumulator valve power input
- Terminal 87
- Sports mode LED

• **Actuators**

- Front left damper valve 1
- Front left damper valve 2
- Front right damper valve 1
- Front right damper valve 2
- Rear left damper valve 1
- Rear left damper valve 2
- Rear right damper valve 1
- Rear right damper valve 2
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Centr. pressure accum., charging
- Button LED

Immobilizer  
Access system/immobilizer 2.3

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Passenger compartment key detection
- Luggage compartment key recognition

• **Error memory**

• **Current values**

- Power supply
- Sensor, front left
- Sensor, front right
- Rear left sensor
- Rear right sensor
- Door handle sensor, front left
- Door handle sensor, front right
- Door handle sensor, rear left
- Door handle sensor, rear right
- Rear left door antenna
- Rear right door antenna
- Luggage compartment antenna
- Keyless Go equipment
- Front interior antenna
- Rear interior antenna
- Rear lid handle sensor
- Front left door exterior handle
- Front right door exterior handle

					<ul style="list-style-type: none"> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul>
				<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> </ul> </li> </ul>
2010/07	M 278.920	4.7	435		

Lights control  
XALWA Master

- High beam light
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Steering wheel, steering angle
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Headlights Zero position
- Voltage at terminal 56a
- Front left axle sensor
- Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA High Line (Master)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**



Lights control  
XALWA Slave

- Transverse acceleration
- Control unit power supply
- Steering wheel rotation angle sensor
- reflexive angle
- High beam light
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Steering wheel, steering angle
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ**

**CLC-Klasse [203] - CLC 180 KOMPRESSOR**

Year	Engine	Liters	HP	System	Functions
2008/03 - 2010/05	M 271.946	1.8	143	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>CLC-Klasse [203] - CLC 200 CDI</b>
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Year	Engine	Liters	HP	System	Functions
2008/03 - 2010/05	OM64696...	2.2	122	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>CLC-Klasse [203] - CLC 220 CDI</b>
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Year	Engine	Liters	HP	System	Functions
2008/03 - 2010/05	OM 646.963	2.2	150	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>CLC-Klasse [203] - CLC 230 Sportcoupe</b>
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Year	Engine	Liters	HP	System	Functions
2008/03 - 2010/05	M 272.920	2.5	204	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>CLC-Klasse [203] - CLC 350</b>
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Year	Engine	Liters	HP	System	Functions
2008/03 - 2010/05	M 272.960	3.5	272	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**CLC-Klasse [203] - CLC 200 KOMPRESSOR**

Year	Engine	Liters	HP	System	Functions
2008/03 - 2010/05	M 271.957	1.8	184	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**CLC-Klasse [203] - CLC 160**

Year	Engine	Liters	HP	System	Functions
2009/02 -	M 271.911	1.6	129	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> </ul> </li> </ul>

2010/10					<ul style="list-style-type: none"> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2009/02 - 2010/05	M 271.9...	1.6	129	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**CLK-Klasse [209] Cabrio - CLK 200 KOMPRESSOR Cabrio**

Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> </ul> </li> </ul>

2003/02 - 2006/09	M 271.940	1.8	163		<ul style="list-style-type: none"> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>				
Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>				
2006/10 - 2009/12	M 271.955	1.8	184	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> </ul> </li> </ul>				

Instrument cluster  
Instrument cluster 2.1.1

- Distance since last oil change
- Internal residual mileage
- Indicated distance remaining
- Remaining mileage in days
- Shut-off timer: Last engine shut-off time
- Adjustment to drive authorization
- Identification of drive authorization
- Upcoming service maintenance
- Trip counter
- **Actuators**
  - Display test
  - Instrument cluster indicator
  - Control lights
  - Warning buzzer

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

**MERCEDES BENZ** **CLK-Klasse [209] Cabrio - CLK 240 Cabrio**

Year	Engine	Liters	HP	System	Functions
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				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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<p>2003/02 - 2005/03</p>	<p>M 112.912</p>	<p>2.6</p>	<p>170</p>	<p>Instrument cluster Instrument cluster 2.1.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **CLK-Klasse [209] Cabrio - CLK 320 Cabrio**

Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
2003/02 - 2005/03	M 112.955	3.2	218	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **CLK-Klasse [209] Cabrio - CLK 500 Cabrio**



Year	Engine	Liters	HP	System	Functions
2003/02 - 2006/07	M 113.968	5.0	306	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> </ul> </li> </ul>

2006/09 - 2009/12	M 273.967	5.5	388		<ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**CLK-Klasse [209] Cabrio - CLK 55 AMG Cabrio**

Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> </ul> </li> </ul>

2001/09 - 2006/08	M 113.987	5.4	367	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>- Circulation pump</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**CLK-Klasse [209] Cabrio - CLK 280 Cabrio**

Year	Engine	Liters	HP	System	Functions
2005/04 - 2009/12	M 272.940	3.0	231	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> </ul> </li> </ul>

Instrument cluster  
Instrument cluster 2.1.1

- Corrections factor at idle
- Distance since last oil change
- Internal residual mileage
- Indicated distance remaining
- Remaining mileage in days
- Shut-off timer: Last engine shut-off time
- Adjustment to drive authorization
- Identification of drive authorization
- Upcoming service maintenance
- Trip counter
- **Actuators**
  - Display test
  - Instrument cluster indicator
  - Control lights
  - Warning buzzer

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

**MERCEDES BENZ**

**CLK-Klasse [209] Cabrio - CLK 350 Cabrio**

Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
2005/04 - 2009/12	M 272.960	3.5	272	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>

					<ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>CLK-Klasse [209] Cabrio - CLK 320 CDI Cabrio</b>
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Year	Engine	Liters	HP	System	Functions
2005/04 - 2009/12	OM 642.910	3.0	224	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
2006/09 - 2009/12	M 156.982	6.2	481	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> </ul> </li> </ul>

2001/08 - 2006/08	M 113.987	5.4	367	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**CLK-Klasse [209] Coupe - CLK 500 Coupe**

Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> </ul> </li> </ul>

2002/05 - 2006/07	M 113.968	5.0	306		<ul style="list-style-type: none"> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2006/09 - 2009/04	M 273.967	5.5	388	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> </ul> </li> </ul>



				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>CLK-Klasse [209] Coupe - CLK 320 Coupe</b>
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Year	Engine	Liters	HP	System	Functions
2002/05 - 2005/03	M 112.955	3.2	218	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>CLK-Klasse [209] Coupe - CLK 240 Coupe</b>
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Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Control unit release</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b></li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
2002/05 - 2005/03	M 112.912	2.6	170	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> <li>• <b>Actuators</b></li> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
2002/09 - 2005/03	OM612962...	2.7	170	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> </ul> </li> </ul>

<p>2002/09 - 2006/09</p>	<p>M 271.940</p>	<p>1.8</p>	<p>163</p>	<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				<p>Instrument cluster Instrument cluster 2.1.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> </ul> </li> </ul>

2006/10 - 2009/04	M 271.955	1.8	184		<ul style="list-style-type: none"> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**CLK-Klasse [209] Coupe - CLK 200 CGI KOMPRESSOR Coupe**

Year	Engine	Liters	HP	System	Functions
2002/05 - 2004/08	M 271.942	1.8	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> </ul> </li> </ul>

Instrument cluster  
Instrument cluster 2.1.1

- Corrections factor on road
- Corrections factor at idle
- Distance since last oil change
- Internal residual mileage
- Indicated distance remaining
- Remaining mileage in days
- Shut-off timer: Last engine shut-off time
- Adjustment to drive authorization
- Identification of drive authorization
- Upcoming service maintenance
- Trip counter
- **Actuators**
  - Display test
  - Instrument cluster indicator
  - Control lights
  - Warning buzzer

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

**MERCEDES BENZ**

**CLK-Klasse [209] Coupe - CLK 220 CDI Coupe**

Year	Engine	Liters	HP	System	Functions
2005/04 - 2009/04	OM 646.966	2.1	150	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ</b>	<b>CLK-Klasse [209] Coupe - CLK 320 CDI Coupe</b>
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Year	Engine	Liters	HP	System	Functions
2005/04 - 2009/04	OM 642.910	3.0	224	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Control unit release</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b></li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> <li>• <b>Actuators</b></li> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

Year	Engine	Liters	HP	System	Functions
2005/04 - 2009/04	M 272.940	3.0	231	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> </ul> </li> </ul>



2005/04 - 2009/04	M 272.960	3.5	272	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ CLK-Klasse [209] Coupe - CLK 63 AMG Coupe**

Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> </ul> </li> </ul>

2006/09 - 2009/04	M 156.982	6.2	481	<ul style="list-style-type: none"> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				<p>Instrument cluster Instrument cluster 2.1.1</p> <p>• <b>Identification</b></p> <p>• <b>Clear errors</b></p> <p>• <b>Error memory</b></p> <p>• <b>Current values</b></p> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> <li>- Corrections factor on road</li> <li>- Corrections factor at idle</li> <li>- Distance since last oil change</li> <li>- Internal residual mileage</li> <li>- Indicated distance remaining</li> <li>- Remaining mileage in days</li> <li>- Shut-off timer: Last engine shut-off time</li> <li>- Adjustment to drive authorization</li> <li>- Identification of drive authorization</li> <li>- Upcoming service maintenance</li> <li>- Trip counter</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Warning buzzer</li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p> <p>• <b>Identification</b></p> <p>• <b>Clear errors</b></p> <p>• <b>Read configuration</b></p> <p>• <b>Error memory</b></p>
2007/05 - 2009/04	M 156.982	6.2	507	<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p> <p>• <b>Identification</b></p> <p>• <b>Clear errors</b></p> <p>• <b>Adjustments / settings</b></p> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> <p>• <b>Error memory</b></p> <p>• <b>Current values</b></p> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
2007/05 - 2009/04	M 156.982	6.2	507	<p>• <b>Identification</b></p> <p>• <b>Clear errors</b></p> <p>• <b>Error memory</b></p> <p>• <b>Current values</b></p> <ul style="list-style-type: none"> <li>- Total run</li> <li>- speed</li> <li>- Tank level</li> <li>- Engine operation detected</li> </ul>

Instrument cluster  
Instrument cluster 2.1.1

- Corrections factor on road
- Corrections factor at idle
- Distance since last oil change
- Internal residual mileage
- Indicated distance remaining
- Remaining mileage in days
- Shut-off timer: Last engine shut-off time
- Adjustment to drive authorization
- Identification of drive authorization
- Upcoming service maintenance
- Trip counter
- **Actuators**
  - Display test
  - Instrument cluster indicator
  - Control lights
  - Warning buzzer

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

**MERCEDES BENZ** **CLS-Klasse [219] - CLS 350 Coupe**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> </ul> </li> </ul>
2004/06	M 272.964	3.5	272		

- Fuel dosing pump
- Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

**MERCEDES BENZ** **CLS-Klasse [219] - CLS 500 Coupe**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>

2004/06 - 2006/04	M 113.967	5.0	306	<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b></li> </ul>

2006/04  
-  
2010/09

M 273.960

5.5

388

Service interval display  
Dynamic service info 2.0

- Service 1
- Service 2
- Service 3
- Service 4
- Service 5
- Service 6
- Service 7
- Service 8
- Service 9
- Service 10
- Service 11
- Service 12
- Service 13
- Service 14
- Service 15
- Exhaust gas check
- General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left

					<ul style="list-style-type: none"> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **CLS-Klasse [219] - CLS 55 AMG Coupe**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
2004/06 - 2006/08	M 113.990	5.4	476		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

				<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
			<p>Tire control system Tire pressure monitor 2.0</p>	
			<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **CLS-Klasse [219] - CLS 320 CDI Coupe**

Year	Engine	Liters	HP	System	Functions
				<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> </ul>



2005/05 - 2009/04	OM 642.920	3.0	224	<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **CLS-Klasse [219] - CLS 350 CGI Coupe**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Service date</b></li> </ul>
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2006/04  
-  
2010/09

M 272.985

3.5

292

Service interval display  
Dynamic service info 2.0

- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left

- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

**MERCEDES BENZ** **CLS-Klasse [219] - CLS 63 AMG Coupe**

Year	Engine	Liters	HP	System	Functions
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				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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2006/04 - 2011/02	M 156.983	6.2	514	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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- **Identification**

				<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
			<p>Tire control system Tire pressure monitor 2.0</p>	
			<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **CLS-Klasse [219] - CLS 280 Coupe**

Year	Engine	Liters	HP	System	Functions
				<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>

2008/01 - 2009/04	M 272.943	3.0	231	<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>- Control unit release</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **CLS-Klasse [219] - CLS 300 Coupe**

Year	Engine	Liters	HP	System	Functions
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2009/05 - 2009/09	M 272.943	3.0	231	Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ** **CLS-Klasse [219] - CLS 350 CDI Coupe**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b></li> </ul>
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2009/05 - 2009/09	OM 642.920	3.0	224	Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

MERCEDES BENZ				E-Klasse [207] Cabrio - E 200 CGI Cabrio	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

Underbody/Steering  
Adaptive suspension system 4.0

- All doors status
- CAN-bus, steering wheel rotation sensor
- Speed reading
- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage



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Lights control  
Adaptive xenon light, left 4.0

- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position

- Move headlight range control to zero position
- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [207] Cabrio - E 220 CDI Cabrio**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
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2010/01 -	OM 651.911	2.1	170	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [207] Cabrio - E 250 CDI Cabrio**

Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> </ul>

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Lights control  
Adaptive xenon light, left 4.0

- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**

Lights control  
Adaptive xenon light/right 4.0

- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [207] Cabrio - E 350 CDI Cabrio**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> </ul> </li> </ul>

2010/01  
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3.0

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Underbody/Steering  
Adaptive suspension system 4.0

- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control

Lights control  
Adaptive xenon light, left 4.0

- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure



Underbody/Steering  
Adaptive suspension system 4.0

- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear

Lights control  
Adaptive xenon light, left 4.0

- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right

- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

MERCEDES BENZ

E-Klasse [207] Cabrio - E 250 CGI Cabrio

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>

2010/01 -	M 271.860	1.8	204	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
				<p>Lights control Adaptive xenon light/right 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> </ul> </li> </ul>

- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [207] Cabrio - E 350 CGI Cabrio**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> </ul> </li> </ul>
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2010/01 - 2011/01	M 272.98...	3.5	292	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- Power supply terminal 15
- Turning angle sensor
- Driving speed
- driving speed signal (vehicle)
- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)

2011/02

M 276.957

3.5

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Lights control  
Adaptive xenon light, left 4.0

- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light



					<ul style="list-style-type: none"> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul>
				Lights control Adaptive xenon light/right 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Right xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>E-Klasse [207] Cabrio - E 500 Cabrio</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> </ul> </li> </ul>

2010/01  
-  
2011/01

M 273.966

5.5

388

Underbody/Steering  
Adaptive suspension system 4.0

Lights control

- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light

Adaptive xenon light, left 4.0

- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> </ul>

2010/01

M 272.988

3.5

272

Lights control  
Adaptive xenon light, left 4.0

- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor

- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [207] Cabrio - E 300 CGI Cabrio**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
2011/01	M 276.957	3.5	252	<p>Lights control Adaptive xenon light, left 4.0</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

MERCEDES BENZ

E-Klasse [207] Cabrio - E 500 CGI Cabrio

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> </ul> </li> </ul>



				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/02	M 278.922	4.7	408	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> </ul> </li> </ul>

- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

MERCEDES BENZ

E-Klasse [207] Coupe - E 350 CGI Coupe

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> </ul> </li> </ul>

2009/02  
-  
2011/01

M 272.98...

3.5

292

Underbody/Steering  
Adaptive suspension system 4.0

- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch

Lights control  
Adaptive xenon light, left 4.0

- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase

Underbody/Steering  
Adaptive suspension system 4.0

- Xenon light power reduction
- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**

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Lights control  
Adaptive xenon light, left 4.0

- Power supply terminal 15
- Turning angle sensor
- Driving speed
- driving speed signal (vehicle)
- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature

- Headlight range control position
- Right xenon light power
- **Actuators**
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Move headlight range control to zero position
- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [207] Coupe - E 250 CDI Coupe**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b></li> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> </ul>
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				<ul style="list-style-type: none"> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
2009/02	OM 651.911	2.1	204	<p>Lights control Adaptive xenon light, left 4.0</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> </ul> </li> </ul>



Lights control  
Adaptive xenon light/right 4.0

- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [207] Coupe - E 500 Coupe**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> </ul> </li> </ul>

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Lights control  
Adaptive xenon light, left 4.0

- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right

					<ul style="list-style-type: none"> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul>
			<p>Lights control Adaptive xenon light/right 4.0</p>		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Right xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

**MERCEDES BENZ** **E-Klasse [207] Coupe - E 250 CGI Coupe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> </ul> </li> </ul>

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Underbody/Steering  
Adaptive suspension system 4.0

- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
- Level valve front left
- Level valve front right
- Rear left, level valve
- Level valve rear right
- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
- Zero point programming axle sensors
- **Special functions**
- Tourist mode
- **Error memory**
- **Current values**
- Power supply terminal 15
- Turning angle sensor
- Driving speed
- driving speed signal (vehicle)
- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time

Lights control  
Adaptive xenon light, left 4.0

- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

2009/02  
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2011/03

OM 642.836

3.0

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Lights control  
Adaptive xenon light, left 4.0

- Power supply terminal 15
- Turning angle sensor
- Driving speed
- driving speed signal (vehicle)
- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power

• **Actuators**

- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Move headlight range control to zero position
- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

• **Identification**

• **Clear errors**

• **Special functions**

- Tourist mode

• **Error memory**

• **Current values**

- Power supply terminal 15
- Turning angle sensor
- Driving speed
- driving speed signal (vehicle)
- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature

- Headlight range control position
- Right xenon light power
- **Actuators**
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Move headlight range control to zero position
- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
- All doors status
- CAN-bus, steering wheel rotation sensor
- Speed reading
- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
- Level valve front left
- Level valve front right
- Rear left, level valve
- Level valve rear right
- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay



2011/04 -	OM 642.838	3.0	265	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [207] Coupe - E 220 CDI Coupe**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> </ul> </li> </ul>

2009/07

OM 651.911

2.1

170

Lights control  
Adaptive xenon light, left 4.0

- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

MERCEDES BENZ

E-Klasse [207] Coupe - E 350 Coupe

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> </ul> </li> </ul>

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2009/05	M 272.988	3.5	272	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> </ul> </li> </ul>

- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [207] Coupe - E 200 CGI Coupe**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>
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Underbody/Steering  
Adaptive suspension system 4.0

- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)

2009/07  
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M 271.8...

1.8

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Lights control  
Adaptive xenon light, left 4.0

- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**



- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Move headlight range control to zero position
- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [207] Coupe - E 300 CGI Coupe**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> </ul> </li> </ul>
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2011/01 -	M 276.957	3.5	252	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [207] Coupe - E 500 CGI Coupe**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> </ul> </li> </ul>

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408

Lights control  
Adaptive xenon light, left 4.0

- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [211] - E 220 CDI**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> </ul>

2002/03  
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Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

• **Cancel last service reset**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**

Lights control  
VARIO X Intelligent Light System (master)

- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right



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- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position

Lights control  
VARIO X Intelligent Light System (slave)

- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory

2002/03 - 2009/01	OM 646.961	2.1	136	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>- Status change, control unit</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.0</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>	
<p>Lights control VARIO X Intelligent Light System (master)</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> </ul> </li> </ul>	

					<ul style="list-style-type: none"> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul>
				Lights control VARIO X Intelligent Light System (slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>

MERCEDES BENZ				E-Klasse [211] - E 270 CDI	
Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

2002/03  
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OM 647.961

2.7

177

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right, sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b></li> </ul>

<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> </ul> </li> </ul>

2002/03  
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2005/03

M 112.913

2.6

177

- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter



Lights control  
VARIO X Intelligent Light System (slave)

- Servo motor steered headlights required value
- Steered headlights position
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] - E 320**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>

2002/03  
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2005/03

M 112.949

3.2

224

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left

					<ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul>
			Lights control VARIO X Intelligent Light System (slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>	

**MERCEDES BENZ** **E-Klasse [211] - E 500**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

2002/03  
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2006/03

M 113.967

5.0

306

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors

Lights control  
VARIO X Intelligent Light System (master)

- Symmetrical light distribution on
- Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

- **Service date**
- **Current values**
  - Service 1

Service interval display  
Dynamic service info 2.0

- Service 2
- Service 3
- Service 4
- Service 5
- Service 6
- Service 7
- Service 8
- Service 9
- Service 10
- Service 11
- Service 12
- Service 13
- Service 14
- Service 15
- Exhaust gas check
- General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right

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- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position

- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] - E 320 CDI**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>



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Tire control system  
Tire pressure monitor 2.0

- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position

- Driving with headlights range in minimum position
- Motorway light
- Left cornering light, left swivel
- Left cornering light, right swivel
- Left cornering light in center position
- City light
- Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature

				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
<p>2005/04 - 2009/03</p>	<p>OM 642.920</p>	<p>3.0</p>	<p>224</p>	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> </ul> </li> </ul>

Lights control  
VARIO X Intelligent Light System (master)

- Turning angle sensor
- Steering wheel rotation angle
- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

MERCEDES BENZ				E-Klasse [211] - E 200 KOMPRESSOR	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> </ul> </li> </ul>

Service interval display  
Dynamic service info 2.0

- Service 3
- Service 4
- Service 5
- Service 6
- Service 7
- Service 8
- Service 9
- Service 10
- Service 11
- Service 12
- Service 13
- Service 14
- Service 15
- Exhaust gas check
- General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System

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- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control

- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left

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Tire control system  
Tire pressure monitor 2.0

- Pressure sensor status, front right
- Pressure sensor status, rear left
- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light



Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] - E 55 AMG KOMPRESSOR**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> </ul> </li> </ul>

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Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- Undervoltage shutoff threshold
- Number of authorized remote controls
- Heating mode
- Ventilation mode
- Combustion air blower
- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle

Lights control  
VARIO X Intelligent Light System (master)

- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] - E 200 CDI**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> </ul> </li> </ul>
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Service interval display  
Dynamic service info 2.0

- Service 6
- Service 7
- Service 8
- Service 9
- Service 10
- Service 11
- Service 12
- Service 13
- Service 14
- Service 15
- Exhaust gas check
- General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value

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- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage

- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right

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Tire control system  
Tire pressure monitor 2.0

- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**

Lights control  
VARIO X Intelligent Light System (slave)

- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] - E 400 CDI**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> </ul> </li> </ul>



2003/02 - 2005/04	OM 628.961	4.0	260	<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
<p>Tire control system Tire pressure monitor 2.0</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>	
<p>Diagnosis/bus systems System diagnosis 2.0</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>	
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> </ul> </li> </ul>	

Lights control  
VARIO X Intelligent Light System (master)

- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] - E 500 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> </ul> </li> </ul>

<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> <ul style="list-style-type: none"> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> </ul> </li> </ul>

2003/09 - 2006/08	M 113.969	5.0	306	<ul style="list-style-type: none"> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.0</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control VARIO X Intelligent Light System (master)</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
<p>Lights control VARIO X Intelligent Light System (slave)</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> </ul>

- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature

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2009/01

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Tire control system  
Tire pressure monitor 2.0

- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**

Lights control  
VARIO X Intelligent Light System (slave)

- Symmetrical light distribution on
- Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] - E 240 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> </ul> </li> </ul>

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-  
2009/03

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Tire control system  
Tire pressure monitor 2.0

Diagnosis/bus systems  
System diagnosis 2.0

- Combustion air blower
- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position



Lights control  
VARIO X Intelligent Light System (master)

- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] - E 320 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Service interval display	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> </ul> </li> </ul>

Dynamic service info 2.0	<ul style="list-style-type: none"> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
Lights control VARIO X Intelligent Light System (master)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
Lights control VARIO X Intelligent Light System (slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> </ul> </li> </ul>

- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ** **E-Klasse [211] - E 280 CDI**

Year	Engine	Liters	HP	System	Functions
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				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> </ul> </li> </ul>
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2004/04  
-  
2005/03

OM 648.961

3.2

177

Tire control system  
Tire pressure monitor 2.0

- Pressure sensor status, rear left
- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower

2005/04  
-  
2009/03

OM 642.920

3.0

190

Tire control system  
Tire pressure monitor 2.0

Diagnosis/bus systems  
System diagnosis 2.0

- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter

Lights control  
VARIO X Intelligent Light System (master)

- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] - E 280**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> </ul> </li> </ul>

- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ**

**E-Klasse [211] - E 350**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> </ul> </li> </ul>

2005/02  
-  
2009/03

M 272.964

3.5

272

Tire control system  
Tire pressure monitor 2.0

- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**

Lights control  
VARIO X Intelligent Light System (slave)

- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] - E 350 4MATIC**

Year	Engine	Liters	HP	System	Functions
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Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode

2005/04 - 2009/01	M 272.972	3.5	272	<p>Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> </ul> </li> </ul>

Lights control  
VARIO X Intelligent Light System (master)

- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] - E 280 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Service interval display	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> </ul> </li> </ul>

Dynamic service info 2.0	<ul style="list-style-type: none"> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> </ul> </li> </ul>
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- 2009/03	OM 642.921	3.0	190	<ul style="list-style-type: none"> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
Diagnosis/bus systems System diagnosis 2.0				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
Lights control VARIO X Intelligent Light System (master)				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
Lights control VARIO X Intelligent Light System (slave)				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>

- Long lights, right
- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ** **E-Klasse [211] - E 320 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
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				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> </ul> </li> </ul>
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2005/04  
-  
2009/01

OM 642.921

3.0

224

Tire control system  
Tire pressure monitor 2.0

- Pressure sensor status, front right
- Pressure sensor status, rear left
- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light

				<p>Lights control VARIO X Intelligent Light System (slave)</p> <ul style="list-style-type: none"> <li>- Country light</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
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**MERCEDES BENZ** **E-Klasse [211] - E 280 4MATIC**

Year	Engine	Liters	HP	System	Functions
				<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> </ul> </li> </ul>

2005/04  
-  
2009/03

M 272.944

3.0

231

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- Undervoltage shutoff threshold
- Number of authorized remote controls
- Heating mode
- Ventilation mode
- Combustion air blower
- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle

Lights control  
VARIO X Intelligent Light System (master)

- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10

					<ul style="list-style-type: none"> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> </ul> </li> </ul>
2006/09 - 2007/08	M 272.944	3.0	0		

	<ul style="list-style-type: none"> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> </ul> </li> </ul>



- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ** **E-Klasse [211] - E 420 CDI**

Year	Engine	Liters	HP	System	Functions
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				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> </ul> </li> </ul>
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2005/09  
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2009/01

OM 629.910

4.0

314

Tire control system  
Tire pressure monitor 2.0

- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**

Lights control  
VARIO X Intelligent Light System (slave)

- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] - E 63 AMG**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> </ul> </li> </ul>

2006/06  
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2009/01

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514

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- Heating mode
- Ventilation mode
- Combustion air blower
- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear

Lights control  
VARIO X Intelligent Light System (master)

- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

MERCEDES BENZ

E-Klasse [211] - E 200 KOMPRESSOR NGT

Year	Engine	Liters	HP	System	Functions
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- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6

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2008/09

M 271.941

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163

Service interval display  
Dynamic service info 2.0

- Service 7
- Service 8
- Service 9
- Service 10
- Service 11
- Service 12
- Service 13
- Service 14
- Service 15
- Exhaust gas check
- General inspection
- **Service interval display reset**
- **Cancel last service reset**

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage

Lights control  
VARIO X Intelligent Light System (master)

- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] - E 300 BlueTec**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> </ul> </li> </ul>

Service interval display  
Dynamic service info 2.0

- Service 8
- Service 9
- Service 10
- Service 11
- Service 12
- Service 13
- Service 14
- Service 15
- Exhaust gas check
- General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value



<p>- 2009/01</p>	<p>OM 642.920</p>	<p>3.0</p>	<p>211</p>	<ul style="list-style-type: none"> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.0</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control VARIO X Intelligent Light System (master)</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
<p>Lights control VARIO X Intelligent Light System (slave)</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> </ul>

- **Actuators**
- Long lights, right
- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ** **E-Klasse [211] - E 350 CGI**

Year	Engine	Liters	HP	System	Functions
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				<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b></li> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Control unit release</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b></li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Read the event memory</li> <li>- Status change, control unit</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Pressure sensor status, front left</li> </ul>
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2007/12  
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292

Tire control system  
Tire pressure monitor 2.0

- Pressure sensor status, front right
- Pressure sensor status, rear left
- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light

					<ul style="list-style-type: none"> <li>- Country light</li> </ul>
				<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>

**MERCEDES BENZ** **E-Klasse [211] - E 230**

Year	Engine	Liters	HP	System	Functions
				<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> </ul> </li> </ul>

2007/09  
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2009/03

M 272.922

2.5

204

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- Circulation pump actuation
- Undervoltage shutoff threshold
- Number of authorized remote controls
- Heating mode
- Ventilation mode
- Combustion air blower
- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration

• **Actuators**

- Combustion air blower
- Flame monitor/glow element unit
- Fuel dosing pump
- Circulation pump

Tire control system  
Tire pressure monitor 2.0

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Read the event memory
- Status change, control unit

• **Error memory**

• **Current values**

- Pressure sensor status, front left
- Pressure sensor status, front right
- Pressure sensor status, rear left
- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

• **Identification**

• **Clear errors**

• **Read configuration**

• **Error memory**

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Zero point programming axle sensors
- Symmetrical light distribution on
- Symmetrical light distribution off

• **Error memory**

• **Current values**

- Power supply terminal 15
- Vehicle driving speed
- Turning angle sensor

Lights control  
VARIO X Intelligent Light System (master)

- Steering wheel rotation angle
- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

MERCEDES BENZ

E-Klasse [211] - E 300 4MATIC

Year	Engine	Liters	HP	System	Functions
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- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3

Service interval display  
Dynamic service info 2.0

- Service 4
- Service 5
- Service 6
- Service 7
- Service 8
- Service 9
- Service 10
- Service 11
- Service 12
- Service 13
- Service 14
- Service 15
- Exhaust gas check
- General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring

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2009/08

M 272.944

3.0

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- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a



- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] T-Modell - E 220 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
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				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> </ul> </li> </ul>
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2003/02 - 2006/03	OM 646.961	2.1	150	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>- Status change, control unit</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.0</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>	
<p>Lights control VARIO X Intelligent Light System (master)</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> </ul> </li> </ul>	

- Left cornering light, left swivel
- Left cornering light, right swivel
- Left cornering light in center position
- City light
- Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation

2006/04 - 2009/08	OM 646.821	2.1	170	<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> </ul> </li> </ul>

Lights control  
VARIO X Intelligent Light System (master)

- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9

				<ul style="list-style-type: none"> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
			<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
			<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> </ul> </li> </ul>

- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ** **E-Klasse [211] T-Modell - E 270 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> </ul> </li> </ul>



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2.7

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Tire control system  
Tire pressure monitor 2.0

- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] T-Modell - E 320 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> </ul> </li> </ul>

2003/02  
-  
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OM 648.961

3.2

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Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- Number of authorized remote controls
- Heating mode
- Ventilation mode
- Combustion air blower
- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front

Lights control  
VARIO X Intelligent Light System (master)

- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11

				<ul style="list-style-type: none"> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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			Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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			Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring <ul style="list-style-type: none"> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> </ul> </li> </ul> </li> </ul>
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<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> </ul> </li> </ul>

- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ** **E-Klasse [211] T-Modell - E 200 KOMPRESSOR T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> </ul> </li> </ul>

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Tire control system  
Tire pressure monitor 2.0

- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**



Lights control  
VARIO X Intelligent Light System (slave)

- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection

				<ul style="list-style-type: none"> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
2006/04 - 2009/08	M 271.956	1.8	184	<p>Tire control system Tire pressure monitor 2.0</p> <p>• <b>Identification</b></p> <p>• <b>Clear errors</b></p> <p>• <b>Adjustments / settings</b></p> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> <p>• <b>Error memory</b></p> <p>• <b>Current values</b></p> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p> <p>• <b>Identification</b></p> <p>• <b>Clear errors</b></p> <p>• <b>Read configuration</b></p> <p>• <b>Error memory</b></p>
				<p>Lights control VARIO X Intelligent Light System (master)</p> <p>• <b>Identification</b></p> <p>• <b>Clear errors</b></p> <p>• <b>Adjustments / settings</b></p> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> <p>• <b>Error memory</b></p> <p>• <b>Current values</b></p> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> </ul>

				<ul style="list-style-type: none"> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
			Lights control VARIO X Intelligent Light System (slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>

**MERCEDES BENZ** **E-Klasse [211] T-Modell - E 240 T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light

- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ** **E-Klasse [211] T-Modell - E 320 T-Modell**

Year	Engine	Liters	HP	System	Functions
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				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> </ul> </li> </ul>
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2003/02  
-  
2005/03

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Tire control system  
Tire pressure monitor 2.0

- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**

Lights control  
VARIO X Intelligent Light System (slave)

- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] T-Modell - E 500 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> </ul> </li> </ul>



2003/09 - 2006/08	M 113.969	5.0	306	<p>Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> </ul> </li> </ul>

Lights control  
VARIO X Intelligent Light System (master)

- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13

					<ul style="list-style-type: none"> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
2006/09 - 2009/08	M 273.962	5.5	388		

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light

- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ**

**E-Klasse [211] T-Modell - E 55 AMG KOMPRESSOR T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> </ul> </li> </ul>

2003/09  
-  
2006/05

M 113.990

5.4

476

Tire control system  
Tire pressure monitor 2.0

- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**

Lights control  
VARIO X Intelligent Light System (slave)

- Symmetrical light distribution on
- Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] T-Modell - E 240 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> </ul> </li> </ul>

2003/09  
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2009/08

M 112.917

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Tire control system  
Tire pressure monitor 2.0

Diagnosis/bus systems  
System diagnosis 2.0

- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration

• **Actuators**

- Combustion air blower
- Flame monitor/glow element unit
- Fuel dosing pump
- Circulation pump

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Read the event memory
- Status change, control unit

• **Error memory**

• **Current values**

- Pressure sensor status, front left
- Pressure sensor status, front right
- Pressure sensor status, rear left
- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

• **Identification**

• **Clear errors**

• **Read configuration**

• **Error memory**

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Zero point programming axle sensors
- Symmetrical light distribution on
- Symmetrical light distribution off

• **Error memory**

• **Current values**

- Power supply terminal 15
- Vehicle driving speed
- Turning angle sensor
- Steering wheel rotation angle
- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage



Lights control  
VARIO X Intelligent Light System (master)

- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] T-Modell - E 320 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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			Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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			Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> </ul> </li> </ul>

- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ** **E-Klasse [211] T-Modell - E 500 T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> </ul> </li> </ul>

2003/09 - 2006/03	M 113.967	5.0	306	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
Diagnosis/bus systems System diagnosis 2.0				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>	
Lights control VARIO X Intelligent Light System (master)				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>	

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit

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Tire control system  
Tire pressure monitor 2.0

Diagnosis/bus systems  
System diagnosis 2.0

- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right, sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter

Lights control  
VARIO X Intelligent Light System (master)

- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] T-Modell - E 280 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> </ul> </li> </ul>



				<ul style="list-style-type: none"> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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			Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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			Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> </ul> </li> </ul>

- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code

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Tire control system  
Tire pressure monitor 2.0

- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**

Lights control  
VARIO X Intelligent Light System (slave)

- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] T-Modell - E 280 T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> </ul> </li> </ul>

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Tire control system  
Tire pressure monitor 2.0

- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value

VARIO X Intelligent Light System (master)

- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Klasse [211] T-Modell - E 350 T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> </ul> </li> </ul>



<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>- Rear right, sensor battery: Remaining life</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> </ul> </li> </ul>

- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ**

**E-Klasse [211] T-Modell - E 350 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> </ul> </li> </ul>

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Tire control system  
Tire pressure monitor 2.0

- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**

Lights control  
VARIO X Intelligent Light System (slave)

- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] T-Modell - E 280 CDI 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> </ul> </li> </ul>

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Tire control system  
Tire pressure monitor 2.0

Diagnosis/bus systems  
System diagnosis 2.0

- Combustion air blower
- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position

Lights control  
VARIO X Intelligent Light System (master)

- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ E-Klasse [211] T-Modell - E 320 CDI 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
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			Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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			Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
Lights control VARIO X Intelligent Light System (master)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
Lights control VARIO X Intelligent Light System (slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> </ul> </li> </ul>



- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ E-Klasse [211] T-Modell - E 280 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> </ul> </li> </ul>

2005/04  
-  
2009/08

M 272.944

3.0

231

Tire control system  
Tire pressure monitor 2.0

- Pressure sensor status, rear left
- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] T-Modell - E 63 AMG T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> </ul> </li> </ul>

2006/06  
-  
2009/08

M 156.983

6.2

514

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- Undervoltage shutoff threshold
- Number of authorized remote controls
- Heating mode
- Ventilation mode
- Combustion air blower
- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle

Lights control  
VARIO X Intelligent Light System (master)

- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] T-Modell - E 350 CGI T-Modell**

Year	Engine	Liters	HP	System	Functions
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- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4

Service interval display  
Dynamic service info 2.0

- Service 5
- Service 6
- Service 7
- Service 8
- Service 9
- Service 10
- Service 11
- Service 12
- Service 13
- Service 14
- Service 15
- Exhaust gas check
- General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment

2007/12 - 2009/08	M 272.985	3.5	292	<ul style="list-style-type: none"> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
Diagnosis/bus systems System diagnosis 2.0				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
Lights control VARIO X Intelligent Light System (master)				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
Lights control VARIO X Intelligent Light System (slave)				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> </ul> </li> </ul>

- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ E-Klasse [211] T-Modell - E 200 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> </ul>



2007/04  
-  
2009/08

OM 646.821

2.1

136

Tire control system  
Tire pressure monitor 2.0

- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel

- Left cornering light, right swivel
- Left cornering light in center position
- City light
- Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**E-Klasse [211] T-Modell - E 230 T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

2007/09  
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2009/08

M 272.922

2.5

204

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- Power supply
- Coolant temperature
- Status of park heater
- Circulation pump actuation
- Undervoltage shutoff threshold
- Number of authorized remote controls
- Heating mode
- Ventilation mode
- Combustion air blower
- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**

Lights control  
VARIO X Intelligent Light System (master)

- Power supply terminal 15
- Vehicle driving speed
- Turning angle sensor
- Steering wheel rotation angle
- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

MERCEDES BENZ

E-Klasse [212] - E 220 CDI

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**

Underbody/Steering  
Level control 4.0

- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve

				<ul style="list-style-type: none"> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>	
2008/12 -	OM 651.924	2.1	170	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- Power supply terminal 15
- Turning angle sensor
- Driving speed
- driving speed signal (vehicle)
- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [212] - E 350 CDI**

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**

					<ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul>
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
<p>2008/08 - 2010/11</p>	<p>OM 642.850</p>	<p>3.0</p>	<p>231</p>		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> </ul>



Lights control  
Adaptive xenon light, left 4.0

- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control

- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload

2010/12	OM 642.852	3.0	265	<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
				<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul>
			Lights control Adaptive xenon light/right 4.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Right xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

**MERCEDES BENZ** **E-Klasse [212] - E 350 CGI**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> </ul> </li> </ul>

Underbody/Steering  
Level control 4.0

- Wheel speed front right
- Drain valve
- Steering angle sensor initialization status
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Vehicle level set value
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut

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Lights control  
Adaptive xenon light, left 4.0

- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage

Lights control  
Adaptive xenon light/right 4.0

- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

MERCEDES BENZ

E-Klasse [212] - E 500

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>

- **Identification**
- **Clear errors**

2009/04  
-  
2011/08

M 273.971

5.5

388

Underbody/Steering  
Adaptive suspension system 4.0

- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)



Lights control  
Adaptive xenon light, left 4.0

- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position

- Driving with headlights range in minimum position
- Move headlight range control to zero position
- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)

2011/09  
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M 278.922

4.7

408

Lights control  
Adaptive xenon light, left 4.0

- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light

					<ul style="list-style-type: none"> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul>
			Lights control Adaptive xenon light/right 4.0		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Right xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>E-Klasse [212] - E 250 CDI</b>
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> </ul> </li> </ul>

Level control 4.0

- Compressor shutoff overload
- Compressor shutoff undervoltage
- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level

• **Actuators**

- Rear suspension, pressure discharge
- Charging the rear left spring strut
- Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
- Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve

2008/12	OM 651.924	2.1	204	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] - E 200 CDI**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> </ul> </li> </ul>

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2009/04	OM 651.925	2.1	136		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> </ul> </li> </ul>



Lights control  
Adaptive xenon light, left 4.0

- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontal) sensor: front
  - Car level (horizontal) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light

- Country light
- Xenon light power increase
- Xenon light power reduction

MERCEDES BENZ				E-Klasse [212] - E 350 BlueTec	
Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2009/04	OM 642.850	3.0	211	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul>
				<p>Lights control Adaptive xenon light/right 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Right xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>E-Klasse [212] - E 63 AMG</b>
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Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> </ul> </li> </ul>

Level control 4.0

- Compressor shutoff overload
- Compressor shutoff undervoltage
- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level

• **Actuators**

- Rear suspension, pressure discharge
- Charging the rear left spring strut
- Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
- Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve

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Lights control  
Adaptive xenon light, left 4.0

- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor

Lights control  
Adaptive xenon light/right 4.0

- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/04	M 157.981	5.5	525	<p>Lights control</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> </ul> </li> </ul>



<p>Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
<p>Lights control Adaptive xenon light/right 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Right xenon light power</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2009/04 -	M 272.952	3.0	231	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**

					<ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul>
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/07	M 276.952	3.5	252		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

Lights control  
Adaptive xenon light, left 4.0

- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control

- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] - E 350**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> </ul> </li> </ul>

2009/04  
-  
2011/07

M 272.980

3.5

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Underbody/Steering  
Adaptive suspension system 4.0

- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
Adaptive xenon light, left 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal



- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left

Underbody/Steering  
Level control 4.0

- Wheel speed front right
- Drain valve
- Steering angle sensor initialization status
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Vehicle level set value
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut

2011/09

M 276.952

3.5

306

Lights control  
Adaptive xenon light, left 4.0

- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage

Lights control  
Adaptive xenon light/right 4.0

- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] - E 350 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>

2009/01  
-  
2011/08

M 272.977

3.5

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Underbody/Steering  
Adaptive suspension system 4.0

- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61

Lights control  
Adaptive xenon light, left 4.0

- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position

- Move headlight range control to zero position
- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level

					<ul style="list-style-type: none"> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/09 -	M 276.952	3.5	306	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul>
				Lights control Adaptive xenon light/right 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Right xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>E-Klasse [212] - E 500 4MATIC</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> </ul> </li> </ul>

Underbody/Steering  
Level control 4.0

- Compressor shutoff overload
- Compressor shutoff undervoltage
- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level

• **Actuators**

- Rear suspension, pressure discharge
- Charging the rear left spring strut
- Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
- Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve

<p>2009/01 - 2011/08</p>	<p>M 273.970</p>	<p>5.5</p>	<p>388</p>	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/09	M 278.922	4.7	408	<p>Lights control</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> </ul> </li> </ul>

Adaptive xenon light, left 4.0

- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> </ul> </li> </ul>

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Lights control  
Adaptive xenon light, left 4.0

- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction



Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**

					<ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul>
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2010/12	OM 642.858	3.0	265		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light, left 4.0

- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage

- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [212] - E 200 CGI**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> </ul> </li> </ul>
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				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2009/04 -	M 271.860	1.8	184	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> </ul> </li> </ul>

- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [212] - E 250 CGI**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
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Underbody/Steering  
Level control 4.0

- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right

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Lights control  
Adaptive xenon light, left 4.0

- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15



Lights control  
Adaptive xenon light/right 4.0

- Turning angle sensor
- Driving speed
- driving speed signal (vehicle)
- Terminal 61
- Xenon lamps voltage
- Car level (horizontal) sensor: front
- Car level (horizontal) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] - E 300 CDI**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul>
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
<p>2009/12 - 2010/12</p>	<p>OM 642.850</p>	<p>3.0</p>	<p>204</p>		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

Lights control  
Adaptive xenon light, left 4.0

- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage

- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage

2011/01	OM 642.850	3.0	231	<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
				<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>

- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Move headlight range control to zero position
- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [212] - E 200 NGT**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> </ul> </li> </ul>
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Underbody/Steering  
Level control 4.0

- Drain valve
- Steering angle sensor initialization status
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Vehicle level set value
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut

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Lights control  
Adaptive xenon light, left 4.0

- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front



Lights control  
Adaptive xenon light/right 4.0

- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] - E 250 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/01	OM 651.924	2.1	204		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light, left 4.0

- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position

- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [212] - E 300 4MATIC**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> </ul> </li> </ul>
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				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/07 -	M 276.952	3.5	252	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> </ul> </li> </ul>

- Move headlight range control to zero position
- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] T-Modell - E 220 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> </ul> </li> </ul>

Underbody/Steering  
Level control 4.0

- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Vehicle level set value
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut

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Lights control  
Adaptive xenon light, left 4.0

- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front



Lights control  
Adaptive xenon light/right 4.0

- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] T-Modell - E 250 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> </ul> </li> </ul>

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2009/08	OM 651.924	2.1	204		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontalty) sensor: front</li> <li>- Car level (horizontalty) sensor: rear</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light, left 4.0

- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light

- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [212] T-Modell - E 200 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
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				Underbody/Steering	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> </ul> </li> </ul>
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				<p>Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
<p>2009/08 -</p>	<p>OM 651.925</p>	<p>2.1</p>	<p>136</p>	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul>
				<p>Lights control Adaptive xenon light/right 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Right xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

**MERCEDES BENZ** **E-Klasse [212] T-Modell - E 350 BlueTec T-Modell**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> </ul> </li> </ul>

Underbody/Steering  
Level control 4.0

- Vehicle level set value
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level

• **Actuators**

- Rear suspension, pressure discharge
- Charging the rear left spring strut
- Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- All doors status
- CAN-bus, steering wheel rotation sensor
- Speed reading
- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED

• **Actuators**

- Level valve front left
- Level valve front right
- Rear left, level valve
- Level valve rear right
- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge

2009/08	OM 642.850	3.0	211	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> </ul> </li> </ul>



Lights control  
Adaptive xenon light/right 4.0

- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] T-Modell - E 350 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> </ul> </li> </ul>

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Underbody/Steering  
Adaptive suspension system 4.0

- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear

Lights control  
Adaptive xenon light, left 4.0

- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right

- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status

					<ul style="list-style-type: none"> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2010/12	OM 642.852	3.0	265	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] T-Modell - E 250 CGI T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> </ul> </li> </ul>

- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level

• **Actuators**

- Rear suspension, pressure discharge
- Charging the rear left spring strut
- Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- All doors status
- CAN-bus, steering wheel rotation sensor
- Speed reading
- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED

• **Actuators**

- Level valve front left
- Level valve front right
- Rear left, level valve
- Level valve rear right
- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

Lights control  
Adaptive xenon light, left 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time



Adaptive xenon light/right 4.0

- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [212] T-Modell - E 200 CGI T-Modell**

Year	Engine	Liters	HP	System	Functions
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				<p>Underbody/Steering Level control 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> </ul> </li> </ul>
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Underbody/Steering  
Adaptive suspension system 4.0

- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
- Level valve front left
- Level valve front right
- Rear left, level valve
- Level valve rear right
- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

Lights control  
Adaptive xenon light, left 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
- Zero point programming axle sensors
- **Special functions**
- Tourist mode
- **Error memory**
- **Current values**
- Power supply terminal 15
- Turning angle sensor
- Driving speed
- driving speed signal (vehicle)
- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status

- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
<p>2009/08 - 2011/07</p>	<p>M 272.980</p>	<p>3.5</p>	<p>272</p>	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>				

Lights control  
Adaptive xenon light/right 4.0

- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge

					<ul style="list-style-type: none"> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul>
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/08	M 276.952	3.5	306		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

Lights control  
Adaptive xenon light, left 4.0

- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature



- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] T-Modell - E 350 CGI T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> </ul> </li> </ul>

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2011/07

M 272.983

3.5

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Underbody/Steering  
Adaptive suspension system 4.0

- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
Adaptive xenon light, left 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control

- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

MERCEDES BENZ

E-Klasse [212] T-Modell - E 500 T-Modell

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**

Underbody/Steering  
Level control 4.0

- Battery voltage
- CAN-bus, steering wheel rotation sensor
- Speed reading
- Wheel speed front left
- Wheel speed front right
- Drain valve
- Steering angle sensor initialization status
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Vehicle level set value
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve

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M 273.971

5.5

388

Lights control  
Adaptive xenon light, left 4.0

- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor

Lights control  
Adaptive xenon light/right 4.0

- Driving speed
- driving speed signal (vehicle)
- Terminal 61
- Xenon lamps voltage
- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/08	M 278.922	4.7	408		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light, left 4.0

- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position



- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

**MERCEDES BENZ E-Klasse [212] T-Modell - E 63 AMG T-Modell**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> </ul> </li> </ul>
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2009/08  
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2011/02

M 156.985

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525

Underbody/Steering  
Adaptive suspension system 4.0

- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
Adaptive xenon light, left 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position

- Move headlight range control to zero position
- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage

- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level

• **Actuators**

- Rear suspension, pressure discharge
- Charging the rear left spring strut
- Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- All doors status
- CAN-bus, steering wheel rotation sensor
- Speed reading
- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED

• **Actuators**

- Level valve front left
- Level valve front right
- Rear left, level valve
- Level valve rear right
- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation

2011/02 -	M 157.981	5.5	525		<ul style="list-style-type: none"> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
				<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> </ul> </li> </ul>

Lights control  
Adaptive xenon light/right 4.0

- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/03	M 157.981	5.5	558	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> </ul> </li> </ul>

- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction



Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> </ul>

2009/08  
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2011/07

M 272.977

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Lights control  
Adaptive xenon light, left 4.0

- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**

Lights control  
Adaptive xenon light/right 4.0

- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut

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Underbody/Steering  
Adaptive suspension system 4.0

- Charging the rear right spring strut
- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**

Lights control  
Adaptive xenon light, left 4.0

- Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
- Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature

- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [212] T-Modell - E 350 CDI 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> </ul> </li> </ul>

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Underbody/Steering  
Adaptive suspension system 4.0

- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
Adaptive xenon light, left 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage

- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve



Underbody/Steering  
Level control 4.0

- Steering angle sensor initialization status
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Vehicle level set value
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut

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Lights control  
Adaptive xenon light, left 4.0

- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front

Lights control  
Adaptive xenon light/right 4.0

- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] T-Modell - E 300 T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

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Underbody/Steering  
Adaptive suspension system 4.0

- All doors status
- CAN-bus, steering wheel rotation sensor
- Speed reading
- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage

Lights control  
Adaptive xenon light, left 4.0

- Car level (horizontality) sensor: front
- Car level (horizontality) sensor: rear
- Spring deflection, front
- Spring deflection, rear
- High beam light
- CAN-bus, steering wheel rotation sensor
- Terminal 56b voltage
- Indicators switch
- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position

- High beam light
- Motorway light
- Steered headlights to the left
- Steered headlights to the right
- City light
- Country light
- Xenon light power increase
- Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level

					<ul style="list-style-type: none"> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/07	M 276.952	3.5	252	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul>
				<p>Lights control Adaptive xenon light/right 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Right xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

**MERCEDES BENZ E-Klasse [212] T-Modell - E 300 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Level control 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> </ul> </li> </ul>



- Clamp 15 (CAN)
- Security shutdown
- Compressor relay
- Level valve rear left
- Level valve rear right
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level

• **Actuators**

- Rear suspension, pressure discharge
- Charging the rear left spring strut
- Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
- Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation

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Lights control  
Adaptive xenon light, left 4.0

- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch

Lights control  
Adaptive xenon light/right 4.0

- Zero point programming status
- Turn light
- Tourist mode status
- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Underbody/Steering  
Level control 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Battery voltage
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Wheel speed front left
  - Wheel speed front right
  - Drain valve
  - Steering angle sensor initialization status
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Vehicle level set value
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Clamp 15 (CAN)
  - Security shutdown
  - Compressor relay
  - Level valve rear left
  - Level valve rear right
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
- **Actuators**
  - Rear suspension, pressure discharge
  - Charging the rear left spring strut
  - Charging the rear right spring strut

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current

			<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2011/01	OM 642.850	3.0	231	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> </ul> </li> </ul> <p>Lights control Adaptive xenon light, left 4.0</p>

- Xenon light operating time
- Cornering light brightness control
- Low beam light switch
- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul>
2011/01	OM 651.924	2.1	204	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Zero point programming axle sensors</li> <li>• <b>Special functions</b></li> <li>- Tourist mode</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> <li>• <b>Actuators</b></li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul>
		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>			

Lights control  
Adaptive xenon light/right 4.0

- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ**

**E-Klasse [212] T-Modell - E 300 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> </ul> </li> </ul>



- Level control status
- Rear left vehicle level
- Rear right vehicle level

• **Actuators**

- Rear suspension, pressure discharge
- Charging the rear left spring strut
- Charging the rear right spring strut

Underbody/Steering  
Adaptive suspension system 4.0

• **Identification**

• **Clear errors**

• **Error memory**

• **Current values**

- All doors status
- CAN-bus, steering wheel rotation sensor
- Speed reading
- Supply voltage term.30
- System pressure
- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED

• **Actuators**

- Level valve front left
- Level valve front right
- Rear left, level valve
- Level valve rear right
- Pressure reduction valve
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

• **Identification**

• **Clear errors**

Lights control  
Adaptive xenon light, left 4.0

- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch
  - Steered headlights position
  - Status Light sensor
  - Reverse gear signal
  - Dynamic headlight range control
  - Ignition auxiliary voltage
  - Xenon temperature
  - Headlight range control position
  - Left xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

Lights control  
Adaptive xenon light/right 4.0

- **Identification**
- **Clear errors**
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control
  - Low beam light switch

- Steered headlights position
- Status Light sensor
- Reverse gear signal
- Dynamic headlight range control
- Ignition auxiliary voltage
- Xenon temperature
- Headlight range control position
- Right xenon light power
- **Actuators**
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move headlight range control to zero position
  - High beam light
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - City light
  - Country light
  - Xenon light power increase
  - Xenon light power reduction

**MERCEDES BENZ** **E-Klasse [212] T-Modell - E 500 4MATIC T-Modell**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Drain valve</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Vehicle level set value</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Clamp 15 (CAN)</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Level valve rear left</li> <li>- Level valve rear right</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Rear suspension, pressure discharge</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> </ul> </li> </ul>
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Underbody/Steering  
Adaptive suspension system 4.0

- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
Adaptive xenon light, left 4.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Special functions**
  - Tourist mode
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Turning angle sensor
  - Driving speed
  - driving speed signal (vehicle)
  - Terminal 61
  - Xenon lamps voltage
  - Car level (horizontality) sensor: front
  - Car level (horizontality) sensor: rear
  - Spring deflection, front
  - Spring deflection, rear
  - High beam light
  - CAN-bus, steering wheel rotation sensor
  - Terminal 56b voltage
  - Indicators switch
  - Zero point programming status
  - Turn light
  - Tourist mode status
  - Xenon light operating time
  - Cornering light brightness control

				<ul style="list-style-type: none"> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Left xenon light power</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>
			<p>Lights control Adaptive xenon light/right 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Tourist mode</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Turning angle sensor</li> <li>- Driving speed</li> <li>- driving speed signal (vehicle)</li> <li>- Terminal 61</li> <li>- Xenon lamps voltage</li> <li>- Car level (horizontality) sensor: front</li> <li>- Car level (horizontality) sensor: rear</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- High beam light</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Terminal 56b voltage</li> <li>- Indicators switch</li> <li>- Zero point programming status</li> <li>- Turn light</li> <li>- Tourist mode status</li> <li>- Xenon light operating time</li> <li>- Cornering light brightness control</li> <li>- Low beam light switch</li> <li>- Steered headlights position</li> <li>- Status Light sensor</li> <li>- Reverse gear signal</li> <li>- Dynamic headlight range control</li> <li>- Ignition auxiliary voltage</li> <li>- Xenon temperature</li> <li>- Headlight range control position</li> <li>- Right xenon light power</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move headlight range control to zero position</li> <li>- High beam light</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- City light</li> <li>- Country light</li> <li>- Xenon light power increase</li> <li>- Xenon light power reduction</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
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Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor

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- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear

Lights control  
VARIO X Intelligent Light System (slave)

- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Serie - E200K 1.8i**

Year	Engine	Liters	HP	System	Functions
				<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> </ul> </li> </ul>
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				<ul style="list-style-type: none"> <li>- Symmetrical light distribution</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
			Lights control VARIO X Intelligent Light System (slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
			Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> <li>• <b>Service date</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> </ul>

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Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off

Lights control  
VARIO X Intelligent Light System (master)

- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

MERCEDES BENZ

E-Serie - E350 3.5i

Year	Engine	Liters	HP	System	Functions
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• **Service date**

<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Service 1</li> <li>- Service 2</li> <li>- Service 3</li> <li>- Service 4</li> <li>- Service 5</li> <li>- Service 6</li> <li>- Service 7</li> <li>- Service 8</li> <li>- Service 9</li> <li>- Service 10</li> <li>- Service 11</li> <li>- Service 12</li> <li>- Service 13</li> <li>- Service 14</li> <li>- Service 15</li> <li>- Exhaust gas check</li> <li>- General inspection</li> </ul> </li> <li>• <b>Service interval display reset</b></li> <li>• <b>Cancel last service reset</b></li> </ul>
<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> </ul> </li> </ul>

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- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position

Lights control  
VARIO X Intelligent Light System (slave)

- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **E-Serie - E230 2.5i**

Year	Engine	Liters	HP	System	Functions
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Service interval display  
Dynamic service info 2.0

- **Service date**
- **Current values**
  - Service 1
  - Service 2
  - Service 3
  - Service 4
  - Service 5
  - Service 6
  - Service 7
  - Service 8
  - Service 9
  - Service 10
  - Service 11
  - Service 12
  - Service 13
  - Service 14
  - Service 15
  - Exhaust gas check
  - General inspection
- **Service interval display reset**
- **Cancel last service reset**

Heating / Air conditioner  
Auxiliary / supplementary heater 2.1

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Control unit release
- **Error memory**
- **Current values**
  - Power supply
  - Coolant temperature
  - Status of park heater
  - Circulation pump actuation
  - Undervoltage shutoff threshold
  - Number of authorized remote controls
  - Heating mode
  - Ventilation mode
  - Combustion air blower
  - Flame monitor/glow element unit
  - Flame detection
  - Fuel dosing pump
  - Combustion air fan output
  - Glow element duty cycle
  - Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

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Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Diagnosis/bus systems  
System diagnosis 2.0

- **Identification**
- **Clear errors**
- **Read configuration**
- **Error memory**

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left



					<ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul>
				Lights control VARIO X Intelligent Light System (slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>G-Klasse [461] - 230 G</b>
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Year	Engine	Liters	HP	System	Functions
1992/04 - 1993/09	M 115.974	2.3	90	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul>
1992/04 - 1995/09	M 102.958	2.3	107	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> <li>• <b>Actuators</b></li> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul>

MERCEDES BENZ					G-Klasse [461] - 280 GE	
Year	Engine	Liters	HP	System	Functions	
1992/04 - 1997/07	M 110.994	2.8	150	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> <li>• <b>Actuators</b></li> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul>	

MERCEDES BENZ					G-Klasse [461] - 230 GE	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> </ul>	

1992/04 - 1995/09	M 102.997	2.3	125	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul>
1989/10 - 1995/09	M 102.981	2.3	125	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul> </li> </ul>
1993/04 - 1995/09	M 102.979;996	2.3	122	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>

- Central locking system open
- Central locking system close

MERCEDES BENZ				G-Klasse [461] - 240 GD	
Year	Engine	Liters	HP	System	Functions
1992/04 - 1997/11	OM 616.938	2.5	72	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul> </li> </ul>

MERCEDES BENZ				G-Klasse [461] - 300 GD	
Year	Engine	Liters	HP	System	Functions
1992/04 - 1997/07	OM 616.932	3.0	88	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul> </li> </ul>

MERCEDES BENZ				G-Klasse [461] - 250 GD	
Year	Engine	Liters	HP	System	Functions

1992/04 - 1997/09	OM 602.930	2.5	94	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul> </li> </ul>
1990/04 - 1997/09	OM 602.939	2.5	94	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul> </li> </ul>

**MERCEDES BENZ** **G-Klasse [461] - 290 GDT**

Year	Engine	Liters	HP	System	Functions
1997/04 - 2001/09	OM 602.983	2.9	122	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> </ul> </li> </ul>

- Transponder ID key 2
- Transponder ID key 3
- Transponder ID key 4
- Transponder ID key 5
- Transponder ID key 6
- Transponder ID key 7
- Transponder ID key 8
- Transponder ID key 1
- Vehicle identification number
- **Actuators**
- Central locking system open
- Central locking system close

MERCEDES BENZ				G-Klasse [461] - 290 GD	
Year	Engine	Liters	HP	System	Functions
1992/04 - 1997/09	OM 602.942	2.9	98	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> <li>• <b>Actuators</b></li> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul>

MERCEDES BENZ				G-Klasse [461] - G 300 CDI	
Year	Engine	Liters	HP	System	Functions
2009/09 -	OM 642.884	3.0	184	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul>

- **Actuators**
- Central locking system open
- Central locking system close

MERCEDES BENZ				G-Klasse [463] - 230 GE	
Year	Engine	Liters	HP	System	Functions
1989/09 - 1993/06	M 102.989	2.3	125 - 129	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>

MERCEDES BENZ				G-Klasse [463] - 300 GE	
Year	Engine	Liters	HP	System	Functions
1989/09 - 1993/07	M 103.987	3.0	171	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>
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1990/08 - 1993/08	M 103.987	3.0	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b></li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
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MERCEDES BENZ				G-Klasse [463] - 250 GD	
Year	Engine	Liters	HP	System	Functions
1989/09 - 1993/07	OM 602.931	2.5	94	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Control unit release</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b></li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>

MERCEDES BENZ				G-Klasse [463] - 300 GD	
Year	Engine	Liters	HP	System	Functions
1989/09 -	OM 603.931	3.0	113	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Control unit release</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> </ul>



1997/07					<ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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<b>MERCEDES BENZ</b>	<b>G-Klasse [463] - 200 GE</b>
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Year	Engine	Liters	HP	System	Functions
1990/01 - 1993/07	M 102.965	2.0	109	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>G-Klasse [463] - 350 GD Turbo</b>
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Year	Engine	Liters	HP	System	Functions
1991/09 - 1993/08	OM 603.972	3.5	136	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> </ul> </li> </ul>

- Flame monitor/glow element unit
- Fuel dosing pump
- Circulation pump

MERCEDES BENZ					G-Klasse [463] - 500 GE AMG	
Year	Engine	Liters	HP	System	Functions	
1993/03 - 2001/09	M 117.965	5.0	265	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>	

MERCEDES BENZ					G-Klasse [463] - G 230	
Year	Engine	Liters	HP	System	Functions	
1990/06 - 1995/06	M 102.989	2.3	126	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>	

MERCEDES BENZ					G-Klasse [463] - G 300 D	
Year	Engine	Liters	HP	System	Functions	

1990/04 - 1994/10	OM 603.931	3.0	113	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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<b>MERCEDES BENZ</b>	<b>G-Klasse [463] - G 300</b>
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Year	Engine	Liters	HP	System	Functions
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1993/08 - 1994/10	M 103.987	3.0	171	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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1993/09 - 1994/10	M 103.987	3.0	170	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> </ul> </li> </ul>
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- Combustion air blower
- Flame monitor/glow element unit
- Flame detection
- Fuel dosing pump
- Combustion air fan output
- Glow element duty cycle
- Fuel metering pump pulse duration
- **Actuators**
  - Combustion air blower
  - Flame monitor/glow element unit
  - Fuel dosing pump
  - Circulation pump

**MERCEDES BENZ** **G-Klasse [463] - G 350 DT**

Year	Engine	Liters	HP	System	Functions
1993/09 - 1996/06	OM 603.972	3.5	136	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>

**MERCEDES BENZ** **G-Klasse [463] - G 320**

Year	Engine	Liters	HP	System	Functions
1993/08 - 1997/11	M 104.996	3.2	211	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
1997/12 - 2006/08	M 112.945	3.2	215	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
1997/06 - 1997/11	M 112.945	3.2	209	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>

**MERCEDES BENZ**
**G-Klasse [463] - G 300 DT**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> </ul> </li> </ul>

1996/09 - 2000/11	OM 606.964	3.0	177	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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<b>MERCEDES BENZ</b>	<b>G-Klasse [463] - G 500</b>
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Year	Engine	Liters	HP	System	Functions
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1998/04 - 2005/09	M 113.962	5.0	296	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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1999/06 - 2005/09	M 113.962	5.0	296	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
1998/06 - 2005/09	M 113.962	5.0	296	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
2001/09 - 2008/08	M 113.962	5.0	0	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
2009/12 -	M 273.963	5.5	388	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>
2008/06 -	M 273.963	5.5	388	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Control unit release</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>

**MERCEDES BENZ**
**G-Klasse [463] - G 400 CDI**

Year	Engine	Liters	HP	System	Functions
2000/12 - 2006/08	OM 628.962	4.0	250	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Control unit release</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul>

**MERCEDES BENZ**
**G-Klasse [463] - G 270 CDI**

Year	Engine	Liters	HP	System	Functions



Year	Engine	Liters	HP	System	Functions
2001/10 - 2006/08	OM 612.965	2.7	156	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>

MERCEDES BENZ						G-Klasse [463] - G 55 AMG					
Year	Engine	Liters	HP	System		Functions					
1999/04 - 2004/03	M 113.982	5.4	354	Heating / Air conditioner Auxiliary / supplementary heater 2.1		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>					

MERCEDES BENZ						G-Klasse [463] - G 55 AMG KOMPRESSOR					
Year	Engine	Liters	HP	System		Functions					
						<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> </ul> </li> </ul>					

2004/04 -	M 113.993	5.4	476 - 507	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>
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MERCEDES BENZ					G-Klasse [463] - G 320 CDI	
Year	Engine	Liters	HP	System	Functions	
2006/09 -	OM 642.970	3.0	224	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Control unit release</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Coolant temperature</li> <li>- Status of park heater</li> <li>- Circulation pump actuation</li> <li>- Undervoltage shutoff threshold</li> <li>- Number of authorized remote controls</li> <li>- Heating mode</li> <li>- Ventilation mode</li> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Flame detection</li> <li>- Fuel dosing pump</li> <li>- Combustion air fan output</li> <li>- Glow element duty cycle</li> <li>- Fuel metering pump pulse duration</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Combustion air blower</li> <li>- Flame monitor/glow element unit</li> <li>- Fuel dosing pump</li> <li>- Circulation pump</li> </ul> </li> </ul>	

MERCEDES BENZ					GL-Klasse [164] - GL 320 CDI 4MATIC	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> </ul> </li> </ul>	

2006/02  
-  
2009/04

OM 642.940

3.0

224

Underbody/Steering  
Adaptive suspension system 9.12.4

- Rear left vehicle level
- Terminal 87
- Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Build up front axle pressure
  - Reduce front axle pressure
  - Build up rear axle pressure
  - Reduce rear axle pressure
  - Central accumulator valve
  - Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life

- Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

- City light
- Country light

**MERCEDES BENZ** **GL-Klasse [164] - GL 420 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> </ul> </li> </ul>

2006/02  
-  
2009/04

OM 629.912

4.0

306

Tire control system  
Tire pressure monitor 2.0

- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15

Lights control  
VARIO X Intelligent Light System (slave)

- Vehicle driving speed
- Turning angle sensor
- Steering wheel rotation angle
- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **GL-Klasse [164] - GL 450 4MATIC**

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Adaptive suspension system 9.12.4

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Supply voltage term.30
  - System pressure
  - Country version
  - Model series
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Front right acceleration sensor power supply
  - Front left acceleration sensor power supply
  - Rear right acceleration sensor power supply
  - Rear left vehicle level
  - Terminal 87
  - Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut

				<ul style="list-style-type: none"> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
2006/02	M 273.923	4.7	340	<p>Tire control system Tire pressure monitor 2.0</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Lights control VARIO X Intelligent Light System (master)</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul>
			Lights control VARIO X Intelligent Light System (slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> <li>• <b>Actuators</b></li> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul>	

<b>MERCEDES BENZ</b>	<b>GL-Klasse [164] - GL 500 4MATIC</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b></li> <li>- Pressure supply test</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> </ul>

2006/02  
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M 273.963  
5.5  
388

Underbody/Steering  
Adaptive suspension system 9.12.4

- Terminal 87
- Rear right vehicle level
- **Actuators**
- Front left damper valve 1
- Front left damper valve 2
- Level valve front left
- Front right damper valve 1
- Front right damper valve 2
- Level valve front right
- Rear left damper valve 1
- Rear left damper valve 2
- Rear left, level valve
- Rear right damper valve 1
- Rear right damper valve 2
- Level valve rear right
- Pressure reduction valve
- Pressure adjustment front axle
- Pressure adjustment rear axle
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Centr. pressure accum., charging
- Build up front axle pressure
- Reduce front axle pressure
- Build up rear axle pressure
- Reduce rear axle pressure
- Central accumulator valve
- Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
- Read the event memory
- Status change, control unit
- **Error memory**
- **Current values**
- Pressure sensor status, front left
- Pressure sensor status, front right
- Pressure sensor status, rear left
- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light

**MERCEDES BENZ** **GL-Klasse [164] - GL 320 BlueTec 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> </ul> </li> </ul>

2008/09  
-  
2009/08

OM 642.820

3.0

211

Tire control system  
Tire pressure monitor 2.0

- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor

Lights control  
VARIO X Intelligent Light System (slave)

- Steering wheel rotation angle
- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **GL-Klasse [164] - GL 350 BlueTec 4MATIC**

Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Adaptive suspension system 9.12.4</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
2009/04	OM 642.820	3.0	211	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
			Lights control VARIO X Intelligent Light System (slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>	

**MERCEDES BENZ**

**GL-Klasse [164] - GL 350 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> </ul> </li> </ul>



2009/05  
-  
2010/08

OM 642.940

3.0

224

Underbody/Steering  
Adaptive suspension system 9.12.4

- Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Build up front axle pressure
  - Reduce front axle pressure
  - Build up rear axle pressure
  - Reduce rear axle pressure
  - Central accumulator valve
  - Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Underbody/Steering  
Adaptive suspension system 9.12.4

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Supply voltage term.30
  - System pressure
  - Country version
  - Model series
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Front right acceleration sensor power supply
  - Front left acceleration sensor power supply
  - Rear right acceleration sensor power supply
  - Rear left vehicle level
  - Terminal 87
  - Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Build up front axle pressure
  - Reduce front axle pressure
  - Build up rear axle pressure
  - Reduce rear axle pressure
  - Central accumulator valve
  - Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor

2010/09	OM 642.822	3.0	265	<ul style="list-style-type: none"> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
				<p>Lights control VARIO X Intelligent Light System (master)</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> </ul> </li> </ul>

Lights control  
VARIO X Intelligent Light System (slave)

- Servo motor steered headlights required value
- Steered headlights position
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**GL-Klasse [164] - GL 450 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
2009/05	OM 629.912	4.0	306	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul>
			Lights control VARIO X Intelligent Light System (slave)		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>

**MERCEDES BENZ**

**GLK-Klasse [204] - GLK 320 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> </ul> </li> </ul>

2008/09  
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OM 642.961

3.0

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Underbody/Steering  
Adaptive suspension system 4.0

- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**



Lights control  
Intelligent Light System (Master) 204

- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

- Xenon light power increase
- Xenon light standard power

MERCEDES BENZ				GLK-Klasse [204] - GLK 350 4MATIC	
Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

<p>2008/09 - 2011/04</p>	<p>M 272.971</p>	<p>3.5</p>	<p>272</p>	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

Lights control  
XALWA (Slave) 204

- Control unit power supply
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ** **GLK-Klasse [204] - GLK 280 4MATIC**

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Adaptive suspension system 4.0

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level

					<ul style="list-style-type: none"> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
2008/09 - 2009/04	M 272.948	3.0	231	Lights control XALWA (Master) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Master) 204

- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

MERCEDES BENZ

GLK-Klasse [204] - GLK 220 CDI 4MATIC

Year

Engine

Liters

HP

System

Functions

• **Identification**

Underbody/Steering  
Adaptive suspension system 4.0

- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status
  - Rear left damper valve status
  - Rear right damper valve status
  - Clamp 15 (CAN)
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Compressor relay
  - Compressor, runtime
  - Level control status
  - Rear left vehicle level
  - Rear right vehicle level
  - Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear

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OM 651.912

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Lights control  
XALWA (Master) 204

- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**



					<ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>

**MERCEDES BENZ** **GLK-Klasse [204] - GLK 350**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> </ul>

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- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

- Lights control  
XALWA (Master) 204
- **Identification**
  - **Clear errors**
  - **Adjustments / settings**
    - Zero point programming axle sensors
  - **Error memory**
  - **Current values**
    - Vehicle driving speed
    - Control unit power supply
    - Terminal 61
    - Axle sensor signal, front
    - Axle sensor signal, rear
    - Kilometer reading
    - Terminal 56b voltage
    - Lights vertical regulation servo motor position
    - Lamp, ignition voltage
    - Lamp intensity
    - Wheel speed front left
    - Wheel speed front right
    - Main beam switch
    - Headlights Zero position
    - Voltage at terminal 56a
  - **Actuators**
    - Driving with headlights range in central position
    - Driving with headlights range in maximum position
    - Driving with headlights range in minimum position
    - Move left headlight range control to maximum position
    - Move left headlight range control to minimum position
    - Move left headlight range control to central position

- Lights control  
Intelligent Light System (Master) 204
- **Identification**
  - **Clear errors**
  - **Adjustments / settings**
    - Zero point programming axle sensors
  - **Error memory**
  - **Current values**
    - Vehicle driving speed
    - Turning angle sensor
    - Control unit power supply
    - Terminal 61
    - Axle sensor signal, front
    - Axle sensor signal, rear
    - Terminal 56b voltage
    - Lights vertical regulation servo motor position
    - Lamp, ignition voltage
    - Lamp intensity
    - Wheel speed front left
    - Wheel speed front right
    - Main beam switch
    - Steered headlights position
    - Headlights Zero position
    - Status light control

					<ul style="list-style-type: none"> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>
			Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>	
			Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>	

<b>MERCEDES BENZ</b>	<b>GLK-Klasse [204] - GLK 220 CDI</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> </ul> </li> </ul>

Underbody/Steering  
Adaptive suspension system 4.0

- Wheel speed front left
- Wheel speed front right
- Carriage acceleration sensor front left
- Carriage acceleration sensor front right
- Front left damper valve current
- Front right damper valve current
- Rear left damper valve current
- Rear right damper valve current
- Steering angle sensor initialization status
- Rear left body acceleration sensor
- Load level button LED
- Chassis height
- Front left vehicle level sensor signal
- Front right vehicle level sensor signal
- Rear left vehicle level sensor signal
- Rear right vehicle level sensor signal
- Compressor shutoff overload
- Compressor shutoff undervoltage
- Front left damper valve status
- Front right damper valve status
- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch

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Lights control  
Intelligent Light System (Master) 204

Lights control  
XALWA (Slave) 204

- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply

Lights control  
Intelligent Light System (Slave) 204

- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**GLK-Klasse [204] - GLK 350 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> </ul> </li> </ul>

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Lights control  
XALWA (Master) 204

Lights control  
Intelligent Light System (Master) 204

- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Central accumulator valve
- Air suspension compressor relay
- Front left damper valve actuation
- Front right damper valve actuation
- Rear left damper valve actuation
- Rear right damper valve actuation

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel

					<ul style="list-style-type: none"> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul>
			Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul> </li> </ul>	
			Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul> </li> </ul>	

<b>MERCEDES BENZ</b>	<b>GLK-Klasse [204] - GLK 250 CDI 4MATIC</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> </ul> </li> </ul>



			<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
<p>2009/04 -</p>	<p>OM 651.912</p>	<p>2.1</p>	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel

- Right cornering light, right swivel
- Right cornering light in center position
- Move right headlight range control to maximum position
- Move right headlight range control to minimum position
- Move right headlight range control to central position
- Xenon light power increase
- Xenon light standard power

**MERCEDES BENZ** **GLK-Klasse [204] - GLK 200 CDI**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> </ul> </li> </ul>
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2010/07 -	OM 651.91...	2.1	143	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Kilometer reading</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> </ul> </li> </ul>
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Axle sensor signal, front</li> <li>- Axle sensor signal, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Country light</li> <li>- Move left headlight range control to maximum position</li> <li>- Move left headlight range control to minimum position</li> <li>- Move left headlight range control to central position</li> <li>- Cornering light in center position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> <li>- Fog light</li> </ul> </li> </ul>

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

**MERCEDES BENZ**

**GLK-Klasse [204] - GLK 300 4MATIC**

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - All doors status
  - CAN-bus, steering wheel rotation sensor
  - Speed reading
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Front left damper valve current
  - Front right damper valve current
  - Rear left damper valve current
  - Rear right damper valve current
  - Steering angle sensor initialization status
  - Rear left body acceleration sensor
  - Load level button LED
  - Chassis height
  - Front left vehicle level sensor signal
  - Front right vehicle level sensor signal
  - Rear left vehicle level sensor signal
  - Rear right vehicle level sensor signal
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left damper valve status
  - Front right damper valve status

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M 272.948  
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Underbody/Steering  
Adaptive suspension system 4.0

- Rear left damper valve status
- Rear right damper valve status
- Clamp 15 (CAN)
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Compressor relay
- Compressor, runtime
- Level control status
- Rear left vehicle level
- Rear right vehicle level
- Sports mode LED
- **Actuators**
  - Level valve front left
  - Level valve front right
  - Rear left, level valve
  - Level valve rear right
  - Pressure reduction valve
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Central accumulator valve
  - Air suspension compressor relay
  - Front left damper valve actuation
  - Front right damper valve actuation
  - Rear left damper valve actuation
  - Rear right damper valve actuation

Lights control  
XALWA (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Headlights Zero position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61

Lights control  
Intelligent Light System (Master) 204

- Axle sensor signal, front
- Axle sensor signal, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Voltage at terminal 56a
- **Actuators**
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position

Lights control  
Intelligent Light System (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - Move right headlight range control to maximum position
  - Move right headlight range control to minimum position
  - Move right headlight range control to central position
  - Xenon light power increase
  - Xenon light standard power

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- All doors status</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Speed reading</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Front left damper valve current</li> <li>- Front right damper valve current</li> <li>- Rear left damper valve current</li> <li>- Rear right damper valve current</li> <li>- Steering angle sensor initialization status</li> <li>- Rear left body acceleration sensor</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Front left vehicle level sensor signal</li> <li>- Front right vehicle level sensor signal</li> <li>- Rear left vehicle level sensor signal</li> <li>- Rear right vehicle level sensor signal</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left damper valve status</li> <li>- Front right damper valve status</li> <li>- Rear left damper valve status</li> <li>- Rear right damper valve status</li> <li>- Clamp 15 (CAN)</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Compressor relay</li> <li>- Compressor, runtime</li> <li>- Level control status</li> <li>- Rear left vehicle level</li> <li>- Rear right vehicle level</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Level valve front left</li> <li>- Level valve front right</li> <li>- Rear left, level valve</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> <li>- Front left damper valve actuation</li> <li>- Front right damper valve actuation</li> <li>- Rear left damper valve actuation</li> <li>- Rear right damper valve actuation</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> </ul> </li> </ul>



2011/06

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Lights control  
XALWA (Master) 204

- Control unit power supply
- Terminal 61
- Axle sensor signal, front
- Axle sensor signal, rear
- Kilometer reading
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Headlights Zero position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position

Lights control  
Intelligent Light System (Master) 204

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Turning angle sensor
  - Control unit power supply
  - Terminal 61
  - Axle sensor signal, front
  - Axle sensor signal, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Country light
  - Move left headlight range control to maximum position
  - Move left headlight range control to minimum position
  - Move left headlight range control to central position
  - Cornering light in center position
  - Xenon light power increase
  - Xenon light standard power
  - Fog light

Lights control  
XALWA (Slave) 204

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Control unit power supply
  - Kilometer reading
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage

					<ul style="list-style-type: none"> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Voltage at terminal 56a</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> </ul>
				Lights control Intelligent Light System (Slave) 204	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- Move right headlight range control to maximum position</li> <li>- Move right headlight range control to minimum position</li> <li>- Move right headlight range control to central position</li> <li>- Xenon light power increase</li> <li>- Xenon light standard power</li> </ul>

<b>MERCEDES BENZ</b>	<b>M-Klasse [164] - ML 350 4MATIC</b>
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b></li> <li>- Pressure supply test</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> </ul>

				<ul style="list-style-type: none"> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
2005/09 - 2011/06	M 272.967	3.5	272	<p>Tire control system Tire pressure monitor 2.0</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Lights control VARIO X Intelligent Light System (master)</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> </ul> </li> </ul>

- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

MERCEDES BENZ

M-Klasse [164] - ML 500 4MATIC

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> </ul> </li> </ul>

				<p>Underbody/Steering Adaptive suspension system 9.12.4</p>	<ul style="list-style-type: none"> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
<p>2005/09 - 2007/08</p>	<p>M 113.964</p>	<p>5.0</p>	<p>306</p>	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> </ul> </li> </ul>

- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel

- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

Underbody/Steering  
Adaptive suspension system 9.12.4

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Supply voltage term.30
  - System pressure
  - Country version
  - Model series
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Front right acceleration sensor power supply
  - Front left acceleration sensor power supply
  - Rear right acceleration sensor power supply
  - Rear left vehicle level
  - Terminal 87
  - Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Build up front axle pressure
  - Reduce front axle pressure
  - Build up rear axle pressure
  - Reduce rear axle pressure
  - Central accumulator valve
  - Air suspension compressor relay

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code

2007/09  
-  
2011/07

M 273.963

5.5

388

Tire control system  
Tire pressure monitor 2.0

- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front



Lights control  
VARIO X Intelligent Light System (slave)

- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **M-Klasse [164] - ML 280 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Adaptive suspension system 9.12.4

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Supply voltage term.30
  - System pressure
  - Country version
  - Model series
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Front right acceleration sensor power supply
  - Front left acceleration sensor power supply
  - Rear right acceleration sensor power supply
  - Rear left vehicle level
  - Terminal 87
  - Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge

					<ul style="list-style-type: none"> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
2005/07 - 2009/04	OM 642.940	3.0	190	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Symmetrical light distribution</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
			Lights control VARIO X Intelligent Light System (slave)		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>M-Klasse [164] - ML 320 CDI 4MATIC</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>

2005/03  
-  
2009/04

OM 642.940

3.0

224

Underbody/Steering  
Adaptive suspension system 9.12.4

- Front left damper valve 1
- Front left damper valve 2
- Level valve front left
- Front right damper valve 1
- Front right damper valve 2
- Level valve front right
- Rear left damper valve 1
- Rear left damper valve 2
- Rear left, level valve
- Rear right damper valve 1
- Rear right damper valve 2
- Level valve rear right
- Pressure reduction valve
- Pressure adjustment front axle
- Pressure adjustment rear axle
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Centr. pressure accum., charging
- Build up front axle pressure
- Reduce front axle pressure
- Build up rear axle pressure
- Reduce rear axle pressure
- Central accumulator valve
- Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

- **Identification**
- **Clear errors**

Lights control  
VARIO X Intelligent Light System (master)

- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> </ul> </li> </ul>

2006/02  
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M 156.980

6.2

510

Tire control system  
Tire pressure monitor 2.0

- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front

Lights control  
VARIO X Intelligent Light System (slave)

- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ M-Klasse [164] - ML 420 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Adaptive suspension system 9.12.4

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Supply voltage term.30
  - System pressure
  - Country version
  - Model series
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Front right acceleration sensor power supply
  - Front left acceleration sensor power supply
  - Rear right acceleration sensor power supply
  - Rear left vehicle level
  - Terminal 87
  - Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging



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OM 629.912

4.0

306

Tire control system  
Tire pressure monitor 2.0

Lights control  
VARIO X Intelligent Light System (master)

- Build up front axle pressure
- Reduce front axle pressure
- Build up rear axle pressure
- Reduce rear axle pressure
- Central accumulator valve
- Air suspension compressor relay

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution

					<ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul>
			Lights control VARIO X Intelligent Light System (slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> <li>• <b>Actuators</b></li> <li>- Long lights, right</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul>	

<b>MERCEDES BENZ</b>	<b>M-Klasse [164] - ML 350 CDI 4MATIC</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b></li> <li>- Pressure supply test</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> <li>• <b>Actuators</b></li> <li>- Front left damper valve 1</li> </ul>

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OM 642.820

3.0

231

Underbody/Steering  
Adaptive suspension system 9.12.4

- Front left damper valve 2
- Level valve front left
- Front right damper valve 1
- Front right damper valve 2
- Level valve front right
- Rear left damper valve 1
- Rear left damper valve 2
- Rear left, level valve
- Rear right damper valve 1
- Rear right damper valve 2
- Level valve rear right
- Pressure reduction valve
- Pressure adjustment front axle
- Pressure adjustment rear axle
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Centr. pressure accum., charging
- Build up front axle pressure
- Reduce front axle pressure
- Build up rear axle pressure
- Reduce rear axle pressure
- Central accumulator valve
- Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

- **Identification**
- **Clear errors**
- **Adjustments / settings**

Lights control  
VARIO X Intelligent Light System (master)

- Zero point programming axle sensors
- Symmetrical light distribution on
- Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**

Underbody/Steering  
Adaptive suspension system 9.12.4

- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Supply voltage term.30
  - System pressure
  - Country version
  - Model series
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Front right acceleration sensor power supply
  - Front left acceleration sensor power supply
  - Rear right acceleration sensor power supply
  - Rear left vehicle level
  - Terminal 87
  - Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Build up front axle pressure
  - Reduce front axle pressure
  - Build up rear axle pressure
  - Reduce rear axle pressure
  - Central accumulator valve
  - Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right

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OM 642.940

3.0

224

- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control

- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **M-Klasse [164] - ML 350 BlueTec 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>

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Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel



- Left cornering light, right swivel
- Left cornering light in center position
- City light
- Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ**

**M-Klasse [164] - ML 300 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> </ul> </li> </ul>

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Tire control system  
Tire pressure monitor 2.0

- Rear left damper valve 2
- Rear left, level valve
- Rear right damper valve 1
- Rear right damper valve 2
- Level valve rear right
- Pressure reduction valve
- Pressure adjustment front axle
- Pressure adjustment rear axle
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Centr. pressure accum., charging
- Build up front axle pressure
- Reduce front axle pressure
- Build up rear axle pressure
- Reduce rear axle pressure
- Central accumulator valve
- Air suspension compressor relay

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15

Lights control  
VARIO X Intelligent Light System (master)

- Vehicle driving speed
- Turning angle sensor
- Steering wheel rotation angle
- Spring deflection, front
- Spring deflection, rear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Supply voltage term.30
  - System pressure

Underbody/Steering  
Adaptive suspension system 9.12.4

- Country version
- Model series
- Vehicle front left level
- Vehicle front right level
- Security shutdown
- Front right acceleration sensor power supply
- Front left acceleration sensor power supply
- Rear right acceleration sensor power supply
- Rear left vehicle level
- Terminal 87
- Rear right vehicle level

• **Actuators**

- Front left damper valve 1
- Front left damper valve 2
- Level valve front left
- Front right damper valve 1
- Front right damper valve 2
- Level valve front right
- Rear left damper valve 1
- Rear left damper valve 2
- Rear left, level valve
- Rear right damper valve 1
- Rear right damper valve 2
- Level valve rear right
- Pressure reduction valve
- Pressure adjustment front axle
- Pressure adjustment rear axle
- Pressure release front left spring strut
- Pressure release front right spring strut
- Pressure release rear left spring strut
- Pressure release rear right spring strut
- Charging the front left spring strut
- Charging the front right spring strut
- Charging the rear left spring strut
- Charging the rear right spring strut
- Central pressure accum., pressure discharge
- Centr. pressure accum., charging
- Build up front axle pressure
- Reduce front axle pressure
- Build up rear axle pressure
- Reduce rear axle pressure
- Central accumulator valve
- Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Read the event memory
- Status change, control unit

• **Error memory**

• **Current values**

- Pressure sensor status, front left
- Pressure sensor status, front right
- Pressure sensor status, rear left
- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment

-	OM 642.940	3.0	190		<ul style="list-style-type: none"> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Actual front axle sensor voltage</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Steering version</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, left</li> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Motorway light</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- City light</li> <li>- Country light</li> </ul> </li> </ul>
				<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Operating hour meter</li> <li>- Servo motor steered headlights required value</li> <li>- Steered headlights position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>- Transformer voltage</li> <li>- Lamp wattage set value</li> <li>- Symmetrical light distribution</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Long lights, right</li> </ul> </li> </ul>

- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Motorway light
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position
- City light
- Country light

**MERCEDES BENZ M-Klasse [164] - ML 450 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> </ul>

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Tire control system  
Tire pressure monitor 2.0

- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Lights control  
VARIO X Intelligent Light System (master)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Actual front axle sensor voltage
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Headlights Zero position
  - Steering version
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

MERCEDES BENZ

M-Klasse [164] - ML 450 Hybrid 4MATIC

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
2009/09	M 272.973	3.5	335	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> <li>- Symmetrical light distribution on</li> <li>- Symmetrical light distribution off</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply terminal 15</li> <li>- Vehicle driving speed</li> <li>- Turning angle sensor</li> <li>- Steering wheel rotation angle</li> <li>- Spring deflection, front</li> <li>- Spring deflection, rear</li> <li>- Terminal 56b voltage</li> </ul> </li> </ul>

Lights control  
VARIO X Intelligent Light System (master)

- Lights vertical regulation servo motor position
- Actual front axle sensor voltage
- Operating hour meter
- Servo motor steered headlights required value
- Steered headlights position
- Headlights Zero position
- Steering version
- Status light control
- Voltage at terminal 56a
- Transformer voltage
- Lamp wattage set value
- Symmetrical light distribution
- **Actuators**
  - Long lights, left
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - City light
  - Country light

Lights control  
VARIO X Intelligent Light System (slave)

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Symmetrical light distribution on
  - Symmetrical light distribution off
- **Error memory**
- **Current values**
  - Power supply terminal 15
  - Vehicle driving speed
  - Turning angle sensor
  - Steering wheel rotation angle
  - Spring deflection, front
  - Spring deflection, rear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Operating hour meter
  - Servo motor steered headlights required value
  - Steered headlights position
  - Status light control
  - Voltage at terminal 56a
  - Transformer voltage
  - Lamp wattage set value
  - Symmetrical light distribution
- **Actuators**
  - Long lights, right
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Motorway light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position
  - City light
  - Country light

**MERCEDES BENZ** **M-Klasse [166] - ML 250 BlueTec 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Key recognition outside vehicle</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driver's door central locking signal</li> </ul> </li> </ul>

				<p>Immobilizer Access system/immobilizer 4.5</p>	<ul style="list-style-type: none"> <li>- Passenger's door central locking signal</li> <li>- Open-microswitch, hatchback</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Central locking system status</li> <li>- Central locking response rear left door</li> <li>- Central locking response rear right door</li> <li>- Ignition starter switch status</li> <li>- Start/stop button status</li> <li>- Front left latches micro-switch</li> <li>- Front right latches micro-switch</li> <li>- Rear left latches micro-switch</li> <li>- Rear right latches micro-switch</li> <li>- Rear lid central locking</li> <li>- Rear lid handle sensor</li> </ul>
2011/06	OM 651.960	2.1	204	<p>Lights control Light control (Intelligent Light System) 4.5</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset operating hours counter, left dipped beam</li> <li>- Reset operating hours counter, right dipped beam</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- reflexive angle</li> <li>- Steering wheel rotation angle</li> <li>- Xenon lamps voltage</li> <li>- Power supply Clamp 15</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Tourist mode status</li> <li>- Left turning light brightness control</li> <li>- Right turning light brightness control</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Left dynamic cornering light control motor status</li> <li>- Right dynamic cornering light control motor status</li> <li>- Terminal 15 status</li> <li>- Main beam status</li> <li>- Turn signal indicator status</li> <li>- Vehicle front left level</li> <li>- ALWR servo motor right</li> <li>- ALWR servo motor left</li> <li>- Left xenon light voltage</li> <li>- Right xenon light voltage</li> <li>- Left xenon light power</li> <li>- Right xenon light power</li> <li>- Rear left vehicle level</li> <li>- Tourist mode</li> <li>- Left integrated igniter status</li> <li>- Right integrated igniter status</li> <li>- Left xenon lamp operating hours</li> <li>- Right xenon lamp operating hours</li> <li>- Left xenon lamp voltage</li> <li>- Right xenon lamp voltage</li> <li>- Left xenon lamp temperature</li> <li>- Right xenon lamp temperature</li> <li>- Left xenon lamp ignition voltage</li> <li>- Right xenon lamp ignition voltage</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- High beam light</li> <li>- Function test, headlight range control</li> <li>- Dynamic steered headlights</li> <li>- Left and right turning light</li> <li>- Intelligent Light System actuation</li> </ul> </li> </ul>

**MERCEDES BENZ** **M-Klasse [166] - ML 350 BlueTec 4MATIC**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>
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2011/06 -	OM 642.826	3.0	258	<p>Immobilizer Access system/immobilizer 4.5</p>	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Key recognition outside vehicle</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driver's door central locking signal</li> <li>- Passenger's door central locking signal</li> <li>- Open-microswitch, hatchback</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Central locking system status</li> <li>- Central locking response rear left door</li> <li>- Central locking response rear right door</li> <li>- Ignition starter switch status</li> <li>- Start/stop button status</li> <li>- Front left latches micro-switch</li> <li>- Front right latches micro-switch</li> <li>- Rear left latches micro-switch</li> <li>- Rear right latches micro-switch</li> <li>- Rear lid central locking</li> <li>- Rear lid handle sensor</li> </ul> </li> </ul>
				<p>Lights control Light control (Intelligent Light System) 4.5</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset operating hours counter, left dipped beam</li> <li>- Reset operating hours counter, right dipped beam</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- reflexive angle</li> <li>- Steering wheel rotation angle</li> <li>- Xenon lamps voltage</li> <li>- Power supply Clamp 15</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Tourist mode status</li> <li>- Left turning light brightness control</li> <li>- Right turning light brightness control</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Left dynamic cornering light control motor status</li> <li>- Right dynamic cornering light control motor status</li> <li>- Terminal 15 status</li> <li>- Main beam status</li> <li>- Turn signal indicator status</li> <li>- Vehicle front left level</li> <li>- ALWR servo motor right</li> <li>- ALWR servo motor left</li> <li>- Left xenon light voltage</li> <li>- Right xenon light voltage</li> <li>- Left xenon light power</li> <li>- Right xenon light power</li> <li>- Rear left vehicle level</li> <li>- Tourist mode</li> <li>- Left integrated igniter status</li> <li>- Right integrated igniter status</li> <li>- Left xenon lamp operating hours</li> <li>- Right xenon lamp operating hours</li> <li>- Left xenon lamp voltage</li> <li>- Right xenon lamp voltage</li> <li>- Left xenon lamp temperature</li> <li>- Right xenon lamp temperature</li> <li>- Left xenon lamp ignition voltage</li> <li>- Right xenon lamp ignition voltage</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- High beam light</li> <li>- Function test, headlight range control</li> <li>- Dynamic steered headlights</li> <li>- Left and right turning light</li> </ul> </li> </ul>

**MERCEDES BENZ** **M-Klasse [166] - ML 350 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Immobilizer Access system/immobilizer 4.5	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Key recognition outside vehicle</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driver's door central locking signal</li> <li>- Passenger's door central locking signal</li> <li>- Open-microswitch, hatchback</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Central locking system status</li> <li>- Central locking response rear left door</li> <li>- Central locking response rear right door</li> <li>- Ignition starter switch status</li> <li>- Start/stop button status</li> <li>- Front left latches micro-switch</li> <li>- Front right latches micro-switch</li> <li>- Rear left latches micro-switch</li> <li>- Rear right latches micro-switch</li> <li>- Rear lid central locking</li> <li>- Rear lid handle sensor</li> </ul> </li> </ul>
2011/06	M 276.955	3.5	306	Lights control Light control (Intelligent Light System) 4.5	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset operating hours counter, left dipped beam</li> <li>- Reset operating hours counter, right dipped beam</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- reflexive angle</li> <li>- Steering wheel rotation angle</li> <li>- Xenon lamps voltage</li> <li>- Power supply Clamp 15</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Tourist mode status</li> <li>- Left turning light brightness control</li> <li>- Right turning light brightness control</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Left dynamic cornering light control motor status</li> <li>- Right dynamic cornering light control motor status</li> <li>- Terminal 15 status</li> <li>- Main beam status</li> <li>- Turn signal indicator status</li> <li>- Vehicle front left level</li> <li>- ALWR servo motor right</li> <li>- ALWR servo motor left</li> <li>- Left xenon light voltage</li> <li>- Right xenon light voltage</li> <li>- Left xenon light power</li> <li>- Right xenon light power</li> <li>- Rear left vehicle level</li> <li>- Tourist mode</li> <li>- Left integrated igniter status</li> <li>- Right integrated igniter status</li> <li>- Left xenon lamp operating hours</li> <li>- Right xenon lamp operating hours</li> <li>- Left xenon lamp voltage</li> <li>- Right xenon lamp voltage</li> <li>- Left xenon lamp temperature</li> </ul> </li> </ul>

- Right xenon lamp temperature
- Left xenon lamp ignition voltage
- Right xenon lamp ignition voltage
- **Actuators**
  - High beam light
  - Function test, headlight range control
  - Dynamic steered headlights
  - Left and right turning light
  - Intelligent Light System actuation

**MERCEDES BENZ**

**M-Klasse [166] - ML 63 AMG 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Immobilizer Access system/immobilizer 4.5	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Key recognition outside vehicle</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driver's door central locking signal</li> <li>- Passenger's door central locking signal</li> <li>- Open-microswitch, hatchback</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Central locking system status</li> <li>- Central locking response rear left door</li> <li>- Central locking response rear right door</li> <li>- Ignition starter switch status</li> <li>- Start/stop button status</li> <li>- Front left latches micro-switch</li> <li>- Front right latches micro-switch</li> <li>- Rear left latches micro-switch</li> <li>- Rear right latches micro-switch</li> <li>- Rear lid central locking</li> <li>- Rear lid handle sensor</li> </ul> </li> </ul>
2011/08	M 157.982	5.5	525	Lights control Light control (Intelligent Light System) 4.5	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset operating hours counter, left dipped beam</li> <li>- Reset operating hours counter, right dipped beam</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- reflexive angle</li> <li>- Steering wheel rotation angle</li> <li>- Xenon lamps voltage</li> <li>- Power supply Clamp 15</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Tourist mode status</li> <li>- Left turning light brightness control</li> <li>- Right turning light brightness control</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Left dynamic cornering light control motor status</li> <li>- Right dynamic cornering light control motor status</li> <li>- Terminal 15 status</li> <li>- Main beam status</li> <li>- Turn signal indicator status</li> <li>- Vehicle front left level</li> <li>- ALWR servo motor right</li> <li>- ALWR servo motor left</li> <li>- Left xenon light voltage</li> <li>- Right xenon light voltage</li> <li>- Left xenon light power</li> <li>- Right xenon light power</li> <li>- Rear left vehicle level</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Tourist mode</li> <li>- Left integrated igniter status</li> <li>- Right integrated igniter status</li> <li>- Left xenon lamp operating hours</li> <li>- Right xenon lamp operating hours</li> <li>- Left xenon lamp voltage</li> <li>- Right xenon lamp voltage</li> <li>- Left xenon lamp temperature</li> <li>- Right xenon lamp temperature</li> <li>- Left xenon lamp ignition voltage</li> <li>- Right xenon lamp ignition voltage</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- High beam light</li> <li>- Function test, headlight range control</li> <li>- Dynamic steered headlights</li> <li>- Left and right turning light</li> <li>- Intelligent Light System actuation</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Key recognition outside vehicle</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Driver's door central locking signal</li> <li>- Passenger's door central locking signal</li> <li>- Open-microswitch, hatchback</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Central locking system status</li> <li>- Central locking response rear left door</li> <li>- Central locking response rear right door</li> <li>- Ignition starter switch status</li> <li>- Start/stop button status</li> <li>- Front left latches micro-switch</li> <li>- Front right latches micro-switch</li> <li>- Rear left latches micro-switch</li> <li>- Rear right latches micro-switch</li> <li>- Rear lid central locking</li> <li>- Rear lid handle sensor</li> </ul> </li> </ul>
2011/11	M 157.982	5.5	558	<p>Immobilizer Access system/immobilizer 4.5</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset operating hours counter, left dipped beam</li> <li>- Reset operating hours counter, right dipped beam</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- reflexive angle</li> <li>- Steering wheel rotation angle</li> <li>- Xenon lamps voltage</li> <li>- Power supply Clamp 15</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Tourist mode status</li> <li>- Left turning light brightness control</li> <li>- Right turning light brightness control</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Left dynamic cornering light control motor status</li> <li>- Right dynamic cornering light control motor status</li> <li>- Terminal 15 status</li> <li>- Main beam status</li> <li>- Turn signal indicator status</li> <li>- Vehicle front left level</li> <li>- ALWR servo motor right</li> <li>- ALWR servo motor left</li> <li>- Left xenon light voltage</li> <li>- Right xenon light voltage</li> </ul> </li> </ul> <p>Lights control Light control (Intelligent Light System) 4.5</p>

- Left xenon light power
- Right xenon light power
- Rear left vehicle level
- Tourist mode
- Left integrated igniter status
- Right integrated igniter status
- Left xenon lamp operating hours
- Right xenon lamp operating hours
- Left xenon lamp voltage
- Right xenon lamp voltage
- Left xenon lamp temperature
- Right xenon lamp temperature
- Left xenon lamp ignition voltage
- Right xenon lamp ignition voltage
- **Actuators**
  - High beam light
  - Function test, headlight range control
  - Dynamic steered headlights
  - Left and right turning light
  - Intelligent Light System actuation

**MERCEDES BENZ** **R-Klasse [251] - R 320 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
2005/09 - 2009/04	OM 642.950	3.0	224	Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> </ul> </li> </ul>



- Reduce front axle pressure
- Build up rear axle pressure
- Reduce rear axle pressure
- Central accumulator valve
- Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Underbody/Steering  
Adaptive suspension system 9.12.4

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Supply voltage term.30
  - System pressure
  - Country version
  - Model series
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Front right acceleration sensor power supply
  - Front left acceleration sensor power supply
  - Rear right acceleration sensor power supply
  - Rear left vehicle level
  - Terminal 87
  - Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2

2007/06 - 2009/05	OM 642...	3.0	224		<ul style="list-style-type: none"> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
				Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>

**MERCEDES BENZ** **R-Klasse [251] - R 350 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

2005/09 - 2011/09	M 272.967	3.5	272	Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> <li>• <b>Actuators</b></li> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
				Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Read the event memory</li> <li>- Status change, control unit</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> </ul>

- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

**MERCEDES BENZ**

**R-Klasse [251] - R 500 4MATIC**

Year	Engine	Liters	HP	System	Functions
2006/02 - 2007/04	M 113.971	5.0	306	Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

Tire control system  
Tire pressure monitor 2.0

- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

Underbody/Steering  
Adaptive suspension system 9.12.4

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Supply voltage term.30
  - System pressure
  - Country version
  - Model series
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Front right acceleration sensor power supply
  - Front left acceleration sensor power supply
  - Rear right acceleration sensor power supply
  - Rear left vehicle level
  - Terminal 87
  - Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut

2007/05 -	M 273.963	5.0	388		<ul style="list-style-type: none"> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>

**MERCEDES BENZ** **R-Klasse [251] - R 280 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> </ul> </li> </ul>

2006/04  
-  
2009/04

OM 642.950

3.0

190

Underbody/Steering  
Adaptive suspension system 9.12.4

- Front right acceleration sensor power supply
- Front left acceleration sensor power supply
- Rear right acceleration sensor power supply
- Rear left vehicle level
- Terminal 87
- Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Build up front axle pressure
  - Reduce front axle pressure
  - Build up rear axle pressure
  - Reduce rear axle pressure
  - Central accumulator valve
  - Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value

- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

**MERCEDES BENZ** **R-Klasse [251] - R 63 AMG 4MATIC**

Year	Engine	Liters	HP	System	Functions
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2006/04 - 2007/08	M 156.980	6.2	510	Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> </ul> </li> </ul>



Tire control system  
Tire pressure monitor 2.0

- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

**MERCEDES BENZ**

**R-Klasse [251] - R 280**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> </ul> </li> </ul>

2007/05 - 2009/04	M 272.945	3.0	231		<ul style="list-style-type: none"> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
Tire control system Tire pressure monitor 2.0					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>

**MERCEDES BENZ** **R-Klasse [251] - R 350**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> </ul> </li> </ul>

2007/05  
-  
2010/05

M 272.967

3.5

272

Underbody/Steering  
Adaptive suspension system 9.12.4

- Rear left vehicle level
- Terminal 87
- Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Build up front axle pressure
  - Reduce front axle pressure
  - Build up rear axle pressure
  - Reduce rear axle pressure
  - Central accumulator valve
  - Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
    - Sensor recognition/assignment
    - Front left, inflation pressure, set value
    - Front right, inflation pressure, set value
    - Rear left, inflation pressure, set value
    - Rear right, inflation pressure, set value
    - Front left, sensor battery: Remaining life
    - Front right sensor battery: Remaining life
    - Rear left, sensor battery: Remaining life

MERCEDES BENZ				R-Klasse [251] - R 280 CDI	
Year	Engine	Liters	HP	System	Functions
2007/05 - 2009/04	OM 642.950	3.0	190	Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> </ul> </li> </ul>

Tire control system  
Tire pressure monitor 2.0

- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

**MERCEDES BENZ**

**R-Klasse [251] - R 280 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>

2009/07	M 272.945	3.0	231		<ul style="list-style-type: none"> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>

**MERCEDES BENZ** **R-Klasse [251] - R 350 BlueTec 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>

2009/05 -	OM 642.870	3.0	211	<p>Underbody/Steering Adaptive suspension system 9.12.4</p>	<ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
2010/05 -	OM 642.87...	3.0	190	Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> </ul> </li> </ul>



				<p>Tire control system Tire pressure monitor 2.0</p> <ul style="list-style-type: none"> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
2009/05 - 2010/05	OM 642.950	3.0	190	<p>Underbody/Steering Adaptive suspension system 9.12.4</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front left, sensor battery: Remaining life
  - Front right sensor battery: Remaining life
  - Rear left, sensor battery: Remaining life
  - Rear right, sensor battery: Remaining life

**MERCEDES BENZ**

**R-Klasse [251] - R 350 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> </ul> </li> </ul>

2010/05 -	OM 642.872	3.0	265	<ul style="list-style-type: none"> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>	
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> </ul> </li> </ul>

2009/05  
-  
2010/05

OM 642.950

3.0

224

Underbody/Steering  
Adaptive suspension system 9.12.4

- Vehicle front right level
- Security shutdown
- Front right acceleration sensor power supply
- Front left acceleration sensor power supply
- Rear right acceleration sensor power supply
- Rear left vehicle level
- Terminal 87
- Rear right vehicle level
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Level valve front left
  - Front right damper valve 1
  - Front right damper valve 2
  - Level valve front right
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear left, level valve
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Level valve rear right
  - Pressure reduction valve
  - Pressure adjustment front axle
  - Pressure adjustment rear axle
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut
  - Charging the front right spring strut
  - Charging the rear left spring strut
  - Charging the rear right spring strut
  - Central pressure accum., pressure discharge
  - Centr. pressure accum., charging
  - Build up front axle pressure
  - Reduce front axle pressure
  - Build up rear axle pressure
  - Reduce rear axle pressure
  - Central accumulator valve
  - Air suspension compressor relay

Tire control system  
Tire pressure monitor 2.0

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Read the event memory
  - Status change, control unit
- **Error memory**
- **Current values**
  - Pressure sensor status, front left
  - Pressure sensor status, front right
  - Pressure sensor status, rear left
  - Pressure sensor status, rear right
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Battery, rear left pressure sensor
  - Battery, rear right pressure sensor
  - Battery, front left pressure sensor
  - Battery, front right pressure sensor
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - System
  - Monitoring
  - Sensor recognition/assignment
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value

- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

**MERCEDES BENZ** **R-Klasse [251] - R 300**

Year	Engine	Liters	HP	System	Functions
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2009/05 - 2011/05	M 272.945	3.0	231	Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> </ul> </li> </ul>
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Tire control system  
Tire pressure monitor 2.0

- Pressure sensor status, rear left
- Pressure sensor status, rear right
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Battery, rear left pressure sensor
- Battery, rear right pressure sensor
- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

**MERCEDES BENZ**

**R-Klasse [251] - R 300 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Country version</li> <li>- Model series</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Front right acceleration sensor power supply</li> <li>- Front left acceleration sensor power supply</li> <li>- Rear right acceleration sensor power supply</li> <li>- Rear left vehicle level</li> <li>- Terminal 87</li> <li>- Rear right vehicle level</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Level valve front left</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Level valve front right</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear left, level valve</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Level valve rear right</li> <li>- Pressure reduction valve</li> <li>- Pressure adjustment front axle</li> <li>- Pressure adjustment rear axle</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> </ul> </li> </ul>

2009/05 - 2010/05	OM 642.950	3.0	190		<ul style="list-style-type: none"> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Build up front axle pressure</li> <li>- Reduce front axle pressure</li> <li>- Build up rear axle pressure</li> <li>- Reduce rear axle pressure</li> <li>- Central accumulator valve</li> <li>- Air suspension compressor relay</li> </ul>
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>

**MERCEDES BENZ**
**S-Klasse [220] - S 320**

Year	Engine	Liters	HP	System	Functions
1998/10 -	M 112.944	3.2	224	<p>Central electronics Rear central electronics 9.12.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> </ul> </li> </ul>

2002/08					<ul style="list-style-type: none"> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
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**MERCEDES BENZ** **S-Klasse [220] - S 280**

Year	Engine	Liters	HP	System	Functions
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1999/01 - 2002/08	M 112.922	2.8	204	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
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1999/01 - 2005/08	M 112.922	2.8	204	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> </ul> </li> </ul>
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- Rear window heating
- Sun blind Up
- Sun blind Down
- Rear left belt comfort fit actuator solenoid valve
- Rear right belt comfort fit actuator solenoid valve
- Rear blinker

**MERCEDES BENZ** **S-Klasse [220] - S 430**

Year	Engine	Liters	HP	System	Functions
1998/10 - 2006/01	M 113.941	4.3	279	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
1998/10 - 2005/09	M 113.941	4.3	279	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
1998/10 - 2005/08	M 113.960	5.0	306	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
2000/06 - 2005/08	M 113.960	5.0	306	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> </ul> </li> </ul>

1998/10 - 2006/08	M 113.960	5.0	306	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
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**MERCEDES BENZ**
**S-Klasse [220] - S 320 CDI**

Year	Engine	Liters	HP	System	Functions
1999/06 - 2002/08	OM 613.960	3.2	197	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
2002/09 - 2005/08	OM 648.960	3.2	204	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> </ul>

- **Actuators**
- Tail lamps
- Brake lights
- License plates illuminating lamp
- Backup light
- Trunk lights
- Rear window heating
- Sun blind Up
- Sun blind Down
- Rear left belt comfort fit actuator solenoid valve
- Rear right belt comfort fit actuator solenoid valve
- Rear blinker

**MERCEDES BENZ**

**S-Klasse [220] - S 600**

Year	Engine	Liters	HP	System	Functions
1999/08 - 2002/08	M 137.970	5.8	367	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> <li>• <b>Actuators</b></li> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul>
1999/08 - 2005/08	M 137.970	5.8	367	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> <li>• <b>Actuators</b></li> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> </ul>

					<ul style="list-style-type: none"> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul>
2002/09 - 2006/01	M 275.950	5.5	500	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>

MERCEDES BENZ					
S-Klasse [220] - S 400 CDI					
Year	Engine	Liters	HP	System	Functions
1999/06 - 2003/08	OM 628.960	4.0	250	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>

2003/09 - 2005/08	OM 628.960	4.0	260	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> <li>• <b>Actuators</b></li> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul>
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**MERCEDES BENZ** **S-Klasse [220] - S 55 AMG**

Year	Engine	Liters	HP	System	Functions
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2000/09 - 2002/09	113.986	5.4	360	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> <li>• <b>Actuators</b></li> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> </ul>
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2000/09 - 2002/08	113.986	5.4	360	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
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<b>MERCEDES BENZ</b>	<b>S-Klasse [220] - S 55 AMG KOMPRESSOR</b>
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Year	Engine	Liters	HP	System	Functions
2002/09 - 2006/08	113.991	5.4	500	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
2002/09 - 2005/08	113.991	5.4	500	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> </ul> </li> </ul>

- Brake lights
- License plates illuminating lamp
- Backup light
- Trunk lights
- Rear window heating
- Sun blind Up
- Sun blind Down
- Rear left belt comfort fit actuator solenoid valve
- Rear right belt comfort fit actuator solenoid valve
- Rear blinker

**MERCEDES BENZ** **S-Klasse [220] - S 500 4MATIC**

Year	Engine	Liters	HP	System	Functions
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2002/09 - 2005/08	M 113.966	5.0	306	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
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2002/09 - 2005/09	M 113.966	5.0	306	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> </ul> </li> </ul>
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- Rear right belt comfort fit actuator solenoid valve
- Rear blinker

MERCEDES BENZ					S-Klasse [220] - S 430 4MATIC	
Year	Engine	Liters	HP	System	Functions	
2002/09 - 2005/09	M 113.948	4.3	279	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>	

MERCEDES BENZ					S-Klasse [220] - S 350	
Year	Engine	Liters	HP	System	Functions	
2002/09 - 2005/08	M 112.972	3.7	245	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>	

2002/09 - 2006/08	M 112.972	3.7	245	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>
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**MERCEDES BENZ** **S-Klasse [220] - S 350 4MATIC**

Year	Engine	Liters	HP	System	Functions
2003/06 - 2005/08	M 112.975	3.7	245	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul> </li> </ul>

**MERCEDES BENZ** **S-Klasse [220] - S 65 AMG**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>

2004/02 - 2006/08	M 275.980	6.0	612	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Signal Clamp 54</li> <li>- Left front door</li> <li>- Right front door</li> <li>- Tank level</li> <li>- Left-rear door</li> <li>- Right rear door</li> <li>- Trunk top</li> <li>- Inclination sensor</li> <li>- Rear right brake lining</li> <li>- Supply voltage term.30</li> <li>- Rear left belt comfort fit switch</li> <li>- Rear right belt comfort fit switch</li> <li>• <b>Actuators</b></li> <li>- Tail lamps</li> <li>- Brake lights</li> <li>- License plates illuminating lamp</li> <li>- Backup light</li> <li>- Trunk lights</li> <li>- Rear window heating</li> <li>- Sun blind Up</li> <li>- Sun blind Down</li> <li>- Rear left belt comfort fit actuator solenoid valve</li> <li>- Rear right belt comfort fit actuator solenoid valve</li> <li>- Rear blinker</li> </ul>
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**MERCEDES BENZ** **S-Klasse [221] - S 350**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b></li> <li>- Pressure supply test</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> </ul>

	<ul style="list-style-type: none"> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> </ul> </li> </ul>

2005/09 - 2011/01	M 272.965	3.5	272		<ul style="list-style-type: none"> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul>
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
				<p>Lights control XALWA Master</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> </ul> </li> </ul>

- Steered headlights to the left
- Steered headlights to the right
- Left cornering light, left swivel
- Left cornering light, right swivel
- Left cornering light in center position
- Left and right turning light

Lights control  
XALWA High Line (Master)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light

					<ul style="list-style-type: none"> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul>
				Lights control XALWA High Line (Slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>S-Klasse [221] - S 500</b>
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul>
2005/09 - 2011/01	M 273.961	5.5	388	<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
				<p>Lights control XALWA Master</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul>
<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Rear axle sensor</li> <li>- Front axle sensor</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
<p>Lights control XALWA Slave</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul>
				Lights control XALWA High Line (Slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

<b>MERCEDES BENZ</b>	<b>S-Klasse [221] - S 600</b>
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Terminal 87</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> </ul> </li> </ul>

				<p>- Closed circuit relay activation: Cause - Control unit temperature - Loads switch off</p>
2005/12 -	M 275.953	5.5	517	<p>Tire control system Tire pressure monitor 2.2</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.3</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
				<p>Lights control XALWA Master</p> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul>
<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Rear axle sensor</li> <li>- Front axle sensor</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
<p>Lights control XALWA Slave</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> </ul> </li> </ul>

				<p>Lights control XALWA High Line (Slave)</p>	<ul style="list-style-type: none"> <li>- Right cornering light in center position</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>
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<b>MERCEDES BENZ</b>	<b>S-Klasse [221] - S 320 CDI</b>
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Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Level control 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Terminal 87</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> </ul> </li> </ul>



2005/12 - 2009/04	OM 642.930	3.0	235	<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
				<p>Lights control XALWA Master</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> </ul> </li> </ul>

- Left cornering light, right swivel
- Left cornering light in center position
- Left and right turning light

Lights control  
XALWA High Line (Master)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ**

**S-Klasse [221] - S 65 AMG**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Terminal 87</li> <li>- Sports mode LED</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> </ul> </li> </ul>

2006/07 - 2011/02	M 275.982	6.0	612		<ul style="list-style-type: none"> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul>
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control XALWA Master</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> </ul> </li> </ul>				

	<ul style="list-style-type: none"> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul>
<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Rear axle sensor</li> <li>- Front axle sensor</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
<p>Lights control XALWA Slave</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Underbody/Steering  
Level control 2.3

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Level switch
  - CAN message, engine revolutions signal
  - Car level (horizontality) sensor: rear
  - CAN-bus, steering wheel rotation sensor
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Load level button LED
  - Chassis height
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left level valve current consumption
  - Front right level valve current consumption
  - Rear right level valve current consumption
  - Rear left level valve current consumption
  - Front left damper valve 1 current consumption
  - Front left damper valve 2 current consumption
  - Front right damper valve 1 current consumption
  - Front right damper valve 2 current consumption
  - Rear left damper valve 1 current consumption
  - Rear left damper valve 2 current consumption
  - Rear right damper valve 1 current consumption
  - Rear right damper valve 2 current consumption
  - Vehicle level sensor front left signal 1
  - Vehicle level sensor front right signal 1
  - Vehicle level sensor rear axle signal 1
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Current consumption pressure reduction valve
  - Sport-mode, button
  - Compressor, runtime
  - Damper mode
  - Central accumulator valve power input
  - Terminal 87
  - Sports mode LED
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Front right damper valve 1

	<ul style="list-style-type: none"> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>



2010/09 -	M 275.982	6.0	630	Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
Diagnosis/bus systems System diagnosis 2.3				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>	
Lights control XALWA Master				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>	
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>	

Lights control  
XALWA High Line (Master)

- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply

Lights control  
XALWA High Line (Slave)

- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ**

**S-Klasse [221] - S 450**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>

2006/06  
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2010/07

M 273.922

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Tire control system  
Tire pressure monitor 2.2

- Tire inflation pressure set value change
- Enter sensor code manually
- **Error memory**
- **Current values**
  - Battery voltage
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front axle tire pressure set value
  - Rear axle tire pressure set value
  - Front left wheel acceleration
  - Front right wheel acceleration
  - Rear left wheel acceleration
  - Rear right wheel acceleration

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA High Line (Master)

- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply

Lights control  
XALWA High Line (Slave)

- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ** **S-Klasse [221] - S 450 4MATIC**

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering  
Level control 2.3

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Level switch
  - CAN message, engine revolutions signal
  - Car level (horizontality) sensor: rear
  - CAN-bus, steering wheel rotation sensor
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Load level button LED
  - Chassis height
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left level valve current consumption
  - Front right level valve current consumption
  - Rear right level valve current consumption
  - Rear left level valve current consumption
  - Front left damper valve 1 current consumption
  - Front left damper valve 2 current consumption
  - Front right damper valve 1 current consumption
  - Front right damper valve 2 current consumption
  - Rear left damper valve 1 current consumption
  - Rear left damper valve 2 current consumption
  - Rear right damper valve 1 current consumption
  - Rear right damper valve 2 current consumption
  - Vehicle level sensor front left signal 1
  - Vehicle level sensor front right signal 1
  - Vehicle level sensor rear axle signal 1
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Current consumption pressure reduction valve
  - Sport-mode, button
  - Compressor, runtime
  - Damper mode
  - Central accumulator valve power input
  - Terminal 87
  - Sports mode LED
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Front right damper valve 1
  - Front right damper valve 2
  - Rear left damper valve 1

	<ul style="list-style-type: none"> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> </ul> </li> </ul>



2006/06 - 2010/07	M 273.924	4.7	340	Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"> <li>- Enter sensor code manually</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
Diagnosis/bus systems System diagnosis 2.3				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>	
Lights control XALWA Master				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>	
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>	

Lights control  
XALWA High Line (Master)

- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Rear axle sensor
  - Front axle sensor
  - Steered headlights position
  - Headlights Zero position
  - Status light control
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply

Lights control  
XALWA High Line (Slave)

- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ**

**S-Klasse [221] - S 500 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> </ul> </li> </ul>

2006/06 - 2011/01	M 273.968	5.5	388	Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"> <li>- Enter sensor code manually</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
				Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

Lights control  
XALWA High Line (Master)

- Turning angle sensor
- Transverse acceleration
- Control unit power supply
- Terminal 61
- Reverse gear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Steering speed
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position

Lights control  
XALWA High Line (Slave)

- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ**

**S-Klasse [221] - S 320 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> </ul>



2006/12  
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2009/04

OM 642.932

3.0

235

Tire control system  
Tire pressure monitor 2.2

- **Error memory**
- **Current values**
  - Battery voltage
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front axle tire pressure set value
  - Rear axle tire pressure set value
  - Front left wheel acceleration
  - Front right wheel acceleration
  - Rear left wheel acceleration
  - Rear right wheel acceleration

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor

Lights control  
XALWA High Line (Master)

- Transverse acceleration
- Control unit power supply
- Terminal 61
- Reverse gear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Steering speed
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position

Lights control  
XALWA High Line (Slave)

- Lamp, ignition voltage
- Lamp intensity
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ**

**S-Klasse [221] - S 420 CDI**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

2006/12  
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2009/04

OM 629.911

4.0

320

Tire control system  
Tire pressure monitor 2.2

- **Current values**
  - Battery voltage
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value
  - Front axle tire pressure set value
  - Rear axle tire pressure set value
  - Front left wheel acceleration
  - Front right wheel acceleration
  - Rear left wheel acceleration
  - Rear right wheel acceleration

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration

Lights control  
XALWA High Line (Master)

- Control unit power supply
- Terminal 61
- Reverse gear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Steering speed
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage

Lights control  
XALWA High Line (Slave)

- Lamp intensity
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

**MERCEDES BENZ**

**S-Klasse [221] - S 63 AMG**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>



2006/12  
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2010/07

M 156.984

6.2

525

Tire control system  
Tire pressure monitor 2.2

- Battery voltage
- Rear left tire temperature
- Rear right tire temperature
- Front left tire temperature
- Front right tire temperature
- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front axle tire pressure set value
- Rear axle tire pressure set value
- Front left wheel acceleration
- Front right wheel acceleration
- Rear left wheel acceleration
- Rear right wheel acceleration

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration

Lights control  
XALWA High Line (Master)

- Control unit power supply
- Terminal 61
- Reverse gear
- Terminal 56b voltage
- Lights vertical regulation servo motor position
- Lamp, ignition voltage
- Lamp intensity
- Steering speed
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage

Lights control  
XALWA High Line (Slave)

- Lamp intensity
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Underbody/Steering  
Level control 2.3

- **Identification**
- **Clear errors**
- **Functional tests**
  - Pressure supply test
- **Error memory**
- **Current values**
  - Level switch
  - CAN message, engine revolutions signal
  - Car level (horizontality) sensor: rear
  - CAN-bus, steering wheel rotation sensor
  - Supply voltage term.30
  - System pressure
  - Wheel speed front left
  - Wheel speed front right
  - Carriage acceleration sensor front left
  - Carriage acceleration sensor front right
  - Load level button LED
  - Chassis height
  - Compressor shutoff overload
  - Compressor shutoff undervoltage
  - Front left level valve current consumption
  - Front right level valve current consumption
  - Rear right level valve current consumption
  - Rear left level valve current consumption
  - Front left damper valve 1 current consumption
  - Front left damper valve 2 current consumption
  - Front right damper valve 1 current consumption
  - Front right damper valve 2 current consumption
  - Rear left damper valve 1 current consumption
  - Rear left damper valve 2 current consumption
  - Rear right damper valve 1 current consumption
  - Rear right damper valve 2 current consumption
  - Vehicle level sensor front left signal 1
  - Vehicle level sensor front right signal 1
  - Vehicle level sensor rear axle signal 1
  - Vehicle front left level
  - Vehicle front right level
  - Security shutdown
  - Current consumption pressure reduction valve
  - Sport-mode, button
  - Compressor, runtime
  - Damper mode
  - Central accumulator valve power input
  - Terminal 87
  - Sports mode LED
- **Actuators**
  - Front left damper valve 1
  - Front left damper valve 2
  - Front right damper valve 1
  - Front right damper valve 2
  - Rear left damper valve 1
  - Rear left damper valve 2
  - Rear right damper valve 1
  - Rear right damper valve 2
  - Pressure release front left spring strut
  - Pressure release front right spring strut
  - Pressure release rear left spring strut
  - Pressure release rear right spring strut
  - Charging the front left spring strut

	<ul style="list-style-type: none"> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> </ul> </li> </ul>

2010/08

M 157.980

5.5

544

Tire control system  
Tire pressure monitor 2.2

- Rear left sensor code
- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front axle tire pressure set value
- Rear axle tire pressure set value
- Front left wheel acceleration
- Front right wheel acceleration
- Rear left wheel acceleration
- Rear right wheel acceleration

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position

Lights control  
XALWA High Line (Master)

- Lamp, ignition voltage
- Lamp intensity
- Steering speed
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a

- **Actuators**
- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position

**MERCEDES BENZ** **S-Klasse [221] - S 350 4MATIC**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> </ul> </li> </ul>



2007/04  
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2011/01

M 272.975

3.5

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Tire control system  
Tire pressure monitor 2.2

- Rear right sensor code
- Front left sensor code
- Front right sensor code
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front axle tire pressure set value
- Rear axle tire pressure set value
- Front left wheel acceleration
- Front right wheel acceleration
- Rear left wheel acceleration
- Rear right wheel acceleration

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage

Lights control  
XALWA High Line (Master)

- Lamp intensity
- Steering speed
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a

- **Actuators**
- Driving with headlights range in central position
- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position

**MERCEDES BENZ** **S-Klasse [221] - S 400 Hybrid**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> </ul> </li> </ul>

2009/04	M 272.974	3.5	279	<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.3</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>	
<p>Lights control XALWA Master</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>	
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> </ul> </li> </ul>	

Lights control  
XALWA High Line (Master)

- Steering speed
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position

- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position

MERCEDES BENZ

S-Klasse [221] - S 280

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> </ul> </li> </ul>



2005/09 - 2009/12	M 272.946	3.0	231	<p>Tire control system Tire pressure monitor 2.2</p> <ul style="list-style-type: none"> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul>	
<p>Diagnosis/bus systems System diagnosis 2.3</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>	
<p>Lights control XALWA Master</p>				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>	
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> </ul> </li> </ul>	

Lights control  
XALWA High Line (Master)

- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
- Indicators switch
- Wheel speed front left
- Wheel speed front right
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Steered headlights position
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position

- Driving with headlights range in maximum position
- Driving with headlights range in minimum position
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position

**MERCEDES BENZ** **S-Klasse [221] - S 350 CDI**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
<p>Tire control system</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> </ul> </li> </ul>

2009/05 - 2010/06	OM 642.930	3.0	235	Tire pressure monitor 2.2	<ul style="list-style-type: none"> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul>
Diagnosis/bus systems System diagnosis 2.3				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>	
Lights control XALWA Master				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>	
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> </ul> </li> </ul>	

Lights control  
XALWA High Line (Master)

- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position

- Driving with headlights range in minimum position
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position

**MERCEDES BENZ** **S-Klasse [221] - S 350 BlueTec**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> </ul> </li> </ul>



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Diagnosis/bus systems System diagnosis 2.3				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
Lights control XALWA Master				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> </ul> </li> </ul>

Lights control  
XALWA High Line (Master)

- Wheel speed front left
- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position

- Driving with headlights range in minimum position
- Right cornering light, left swivel
- Right cornering light, right swivel
- Right cornering light in center position

**MERCEDES BENZ** **S-Klasse [221] - S 350 BlueTec 4MATIC**

Year	Engine	Liters	HP	System	Functions
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				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul>
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> </ul> </li> </ul>

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- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front axle tire pressure set value
- Rear axle tire pressure set value
- Front left wheel acceleration
- Front right wheel acceleration
- Rear left wheel acceleration
- Rear right wheel acceleration

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left

Lights control  
XALWA High Line (Master)

- Wheel speed front right
- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel

- Right cornering light, right swivel
- Right cornering light in center position

**MERCEDES BENZ**

**S-Klasse [221] - S 250 CDI**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> </ul> </li> </ul>

<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>- Button LED</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> </ul> </li> </ul>



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- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front axle tire pressure set value
- Rear axle tire pressure set value
- Front left wheel acceleration
- Front right wheel acceleration
- Rear left wheel acceleration
- Rear right wheel acceleration

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right

Lights control  
XALWA High Line (Master)

- Main beam switch
- Wheel speed rear left
- Wheel speed rear right
- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel

- Right cornering light, right swivel
- Right cornering light in center position

**MERCEDES BENZ**

**S-Klasse [221] - S 350 CGI**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>

Immobilizer  
Access system/immobilizer 2.3

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Passenger compartment key detection
  - Luggage compartment key recognition
- **Error memory**
- **Current values**
  - Power supply
  - Sensor, front left
  - Sensor, front right
  - Rear left sensor
  - Rear right sensor
  - Door handle sensor, front left
  - Door handle sensor, front right
  - Door handle sensor, rear left
  - Door handle sensor, rear right
  - Rear left door antenna
  - Rear right door antenna
  - Luggage compartment antenna
  - Keyless Go equipment
  - Front interior antenna
  - Rear interior antenna
  - Rear lid handle sensor
  - Front left door exterior handle
  - Front right door exterior handle
  - Rear left door exterior handle
  - Rear right door exterior handle

Electrical energy management  
Battery management 2.3

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Reset event counter
- **Error memory**
- **Current values**
  - Fire protection
  - Battery coupling relay
  - Starter battery voltage
  - Vehicle electrical system battery voltage
  - Battery coupling relay last cut-in mileage
  - Battery coupling relay cut-ins
  - Closed circuit relay
  - Charge converter charging current
  - Internal charge converter
  - Battery coupling relay active: Cause
  - Number of load deactivations
  - Number of vehicle electrical system warnings
  - Last vehicle electrical system warning mileage
  - Vehicle electrical system warning: Cause
  - Number of closed circuit relay activations
  - Last closed circuit relay activation
  - Closed circuit relay activation: Cause
  - Control unit temperature
  - Loads switch off

Tire control system  
Tire pressure monitor 2.2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Tire inflation pressure set value change
  - Enter sensor code manually
- **Error memory**
- **Current values**
  - Battery voltage
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left

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- Tire pressure, front right
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front axle tire pressure set value
- Rear axle tire pressure set value
- Front left wheel acceleration
- Front right wheel acceleration
- Rear left wheel acceleration
- Rear right wheel acceleration

Diagnosis/bus systems  
System diagnosis 2.3

- **Identification**
- **Clear errors**
- **Error memory**

Lights control  
XALWA Master

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Headlights Zero position
  - Voltage at terminal 56a
  - Front left axle sensor
  - Rear left axle sensor
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Dynamic steered headlights
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Turning angle sensor
  - Transverse acceleration
  - Control unit power supply
  - Terminal 61
  - Reverse gear
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering speed
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Main beam switch

XALWA High Line (Master)	<ul style="list-style-type: none"> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Rear axle sensor</li> <li>- Front axle sensor</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
Lights control XALWA Slave	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>
Lights control XALWA High Line (Slave)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

Immobilizer  
Access system/immobilizer 2.3

- **Clear errors**
- **Adjustments / settings**
  - Passenger compartment key detection
  - Luggage compartment key recognition
- **Error memory**
- **Current values**
  - Power supply
  - Sensor, front left
  - Sensor, front right
  - Rear left sensor
  - Rear right sensor
  - Door handle sensor, front left
  - Door handle sensor, front right
  - Door handle sensor, rear left
  - Door handle sensor, rear right
  - Rear left door antenna
  - Rear right door antenna
  - Luggage compartment antenna
  - Keyless Go equipment
  - Front interior antenna
  - Rear interior antenna
  - Rear lid handle sensor
  - Front left door exterior handle
  - Front right door exterior handle
  - Rear left door exterior handle
  - Rear right door exterior handle

Electrical energy management  
Battery management 2.3

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Reset event counter
- **Error memory**
- **Current values**
  - Fire protection
  - Battery coupling relay
  - Starter battery voltage
  - Vehicle electrical system battery voltage
  - Battery coupling relay last cut-in mileage
  - Battery coupling relay cut-ins
  - Closed circuit relay
  - Charge converter charging current
  - Internal charge converter
  - Battery coupling relay active: Cause
  - Number of load deactivations
  - Number of vehicle electrical system warnings
  - Last vehicle electrical system warning mileage
  - Vehicle electrical system warning: Cause
  - Number of closed circuit relay activations
  - Last closed circuit relay activation
  - Closed circuit relay activation: Cause
  - Control unit temperature
  - Loads switch off

Tire control system  
Tire pressure monitor 2.2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Tire inflation pressure set value change
  - Enter sensor code manually
- **Error memory**
- **Current values**
  - Battery voltage
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right



2010/09	M 276.950	3.5	306	<ul style="list-style-type: none"> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul>
Diagnosis/bus systems System diagnosis 2.3				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
Lights control XALWA Master				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
Lights control XALWA High Line (Master)				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> </ul> </li> </ul>

- Rear axle sensor
- Front axle sensor
- Steered headlights position
- Headlights Zero position
- Status light control
- Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static left turning light
  - Steered headlights to the left
  - Steered headlights to the right
  - Left cornering light, left swivel
  - Left cornering light, right swivel
  - Left cornering light in center position
  - Left and right turning light

Lights control  
XALWA Slave

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Zero point programming axle sensors
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Steering wheel rotation angle sensor
  - reflexive angle
  - High beam light
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Steering wheel, steering angle
  - Indicators switch
  - Wheel speed front left
  - Wheel speed front right
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Static right turning light
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Lights control  
XALWA High Line (Slave)

- **Identification**
- **Clear errors**
- **Error memory**
- **Current values**
  - Transverse acceleration
  - Control unit power supply
  - Terminal 56b voltage
  - Lights vertical regulation servo motor position
  - Lamp, ignition voltage
  - Lamp intensity
  - Main beam switch
  - Wheel speed rear left
  - Wheel speed rear right
  - Steered headlights position
  - Voltage at terminal 56a
- **Actuators**
  - Driving with headlights range in central position
  - Driving with headlights range in maximum position
  - Driving with headlights range in minimum position
  - Right cornering light, left swivel
  - Right cornering light, right swivel
  - Right cornering light in center position

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>

Immobilizer  
Access system/immobilizer 2.3

- Passenger compartment key detection
- Luggage compartment key recognition
- **Error memory**
- **Current values**
  - Power supply
  - Sensor, front left
  - Sensor, front right
  - Rear left sensor
  - Rear right sensor
  - Door handle sensor, front left
  - Door handle sensor, front right
  - Door handle sensor, rear left
  - Door handle sensor, rear right
  - Rear left door antenna
  - Rear right door antenna
  - Luggage compartment antenna
  - Keyless Go equipment
  - Front interior antenna
  - Rear interior antenna
  - Rear lid handle sensor
  - Front left door exterior handle
  - Front right door exterior handle
  - Rear left door exterior handle
  - Rear right door exterior handle

Electrical energy management  
Battery management 2.3

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Reset event counter
- **Error memory**
- **Current values**
  - Fire protection
  - Battery coupling relay
  - Starter battery voltage
  - Vehicle electrical system battery voltage
  - Battery coupling relay last cut-in mileage
  - Battery coupling relay cut-ins
  - Closed circuit relay
  - Charge converter charging current
  - Internal charge converter
  - Battery coupling relay active: Cause
  - Number of load deactivations
  - Number of vehicle electrical system warnings
  - Last vehicle electrical system warning mileage
  - Vehicle electrical system warning: Cause
  - Number of closed circuit relay activations
  - Last closed circuit relay activation
  - Closed circuit relay activation: Cause
  - Control unit temperature
  - Loads switch off

Tire control system  
Tire pressure monitor 2.2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Tire inflation pressure set value change
  - Enter sensor code manually
- **Error memory**
- **Current values**
  - Battery voltage
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value

	<ul style="list-style-type: none"> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul>
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Diagnosis/bus systems System diagnosis 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
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Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
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Lights control XALWA High Line (Master)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Rear axle sensor</li> </ul> </li> </ul>
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		<ul style="list-style-type: none"> <li>- Front axle sensor</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
	<p>Lights control XALWA Slave</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>
	<p>Lights control XALWA High Line (Slave)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>

Immobilizer  
Access system/immobilizer 2.3

- Passenger compartment key detection
- Luggage compartment key recognition
- **Error memory**
- **Current values**
  - Power supply
  - Sensor, front left
  - Sensor, front right
  - Rear left sensor
  - Rear right sensor
  - Door handle sensor, front left
  - Door handle sensor, front right
  - Door handle sensor, rear left
  - Door handle sensor, rear right
  - Rear left door antenna
  - Rear right door antenna
  - Luggage compartment antenna
  - Keyless Go equipment
  - Front interior antenna
  - Rear interior antenna
  - Rear lid handle sensor
  - Front left door exterior handle
  - Front right door exterior handle
  - Rear left door exterior handle
  - Rear right door exterior handle

Electrical energy management  
Battery management 2.3

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Reset event counter
- **Error memory**
- **Current values**
  - Fire protection
  - Battery coupling relay
  - Starter battery voltage
  - Vehicle electrical system battery voltage
  - Battery coupling relay last cut-in mileage
  - Battery coupling relay cut-ins
  - Closed circuit relay
  - Charge converter charging current
  - Internal charge converter
  - Battery coupling relay active: Cause
  - Number of load deactivations
  - Number of vehicle electrical system warnings
  - Last vehicle electrical system warning mileage
  - Vehicle electrical system warning: Cause
  - Number of closed circuit relay activations
  - Last closed circuit relay activation
  - Closed circuit relay activation: Cause
  - Control unit temperature
  - Loads switch off

Tire control system  
Tire pressure monitor 2.2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Tire inflation pressure set value change
  - Enter sensor code manually
- **Error memory**
- **Current values**
  - Battery voltage
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value



-	M 278.932	4.7	435	<ul style="list-style-type: none"> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul>
Diagnosis/bus systems System diagnosis 2.3				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
Lights control XALWA Master				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
Lights control XALWA High Line (Master)				<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Rear axle sensor</li> <li>- Front axle sensor</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
		<p>Lights control XALWA Slave</p>		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>
		<p>Lights control XALWA High Line (Slave)</p>		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> </ul>

Immobilizer  
Access system/immobilizer 2.3

- **Error memory**
- **Current values**
  - Power supply
  - Sensor, front left
  - Sensor, front right
  - Rear left sensor
  - Rear right sensor
  - Door handle sensor, front left
  - Door handle sensor, front right
  - Door handle sensor, rear left
  - Door handle sensor, rear right
  - Rear left door antenna
  - Rear right door antenna
  - Luggage compartment antenna
  - Keyless Go equipment
  - Front interior antenna
  - Rear interior antenna
  - Rear lid handle sensor
  - Front left door exterior handle
  - Front right door exterior handle
  - Rear left door exterior handle
  - Rear right door exterior handle

Electrical energy management  
Battery management 2.3

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Reset event counter
- **Error memory**
- **Current values**
  - Fire protection
  - Battery coupling relay
  - Starter battery voltage
  - Vehicle electrical system battery voltage
  - Battery coupling relay last cut-in mileage
  - Battery coupling relay cut-ins
  - Closed circuit relay
  - Charge converter charging current
  - Internal charge converter
  - Battery coupling relay active: Cause
  - Number of load deactivations
  - Number of vehicle electrical system warnings
  - Last vehicle electrical system warning mileage
  - Vehicle electrical system warning: Cause
  - Number of closed circuit relay activations
  - Last closed circuit relay activation
  - Closed circuit relay activation: Cause
  - Control unit temperature
  - Loads switch off

Tire control system  
Tire pressure monitor 2.2

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Tire inflation pressure set value change
  - Enter sensor code manually
- **Error memory**
- **Current values**
  - Battery voltage
  - Rear left tire temperature
  - Rear right tire temperature
  - Front left tire temperature
  - Front right tire temperature
  - Rear left sensor code
  - Rear right sensor code
  - Front left sensor code
  - Front right sensor code
  - Tire pressure, rear right
  - Tire pressure, rear left
  - Tire pressure, front left
  - Tire pressure, front right
  - Front left, inflation pressure, set value
  - Front right, inflation pressure, set value
  - Rear left, inflation pressure, set value
  - Rear right, inflation pressure, set value

	<ul style="list-style-type: none"> <li>- Front axle tire pressure set value</li> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul>
Diagnosis/bus systems System diagnosis 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
Lights control XALWA Master	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
Lights control XALWA High Line (Master)	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Rear axle sensor</li> <li>- Front axle sensor</li> <li>- Steered headlights position</li> </ul> </li> </ul>

				<ul style="list-style-type: none"> <li>- Headlights Zero position</li> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
		Lights control XALWA Slave		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>
		Lights control XALWA High Line (Slave)		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Pressure supply test</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Level switch</li> <li>- CAN message, engine revolutions signal</li> <li>- Car level (horizontality) sensor: rear</li> <li>- CAN-bus, steering wheel rotation sensor</li> <li>- Supply voltage term.30</li> <li>- System pressure</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Carriage acceleration sensor front left</li> <li>- Carriage acceleration sensor front right</li> <li>- Load level button LED</li> <li>- Chassis height</li> <li>- Compressor shutoff overload</li> <li>- Compressor shutoff undervoltage</li> <li>- Front left level valve current consumption</li> <li>- Front right level valve current consumption</li> <li>- Rear right level valve current consumption</li> <li>- Rear left level valve current consumption</li> <li>- Front left damper valve 1 current consumption</li> <li>- Front left damper valve 2 current consumption</li> <li>- Front right damper valve 1 current consumption</li> <li>- Front right damper valve 2 current consumption</li> <li>- Rear left damper valve 1 current consumption</li> <li>- Rear left damper valve 2 current consumption</li> <li>- Rear right damper valve 1 current consumption</li> <li>- Rear right damper valve 2 current consumption</li> <li>- Vehicle level sensor front left signal 1</li> <li>- Vehicle level sensor front right signal 1</li> <li>- Vehicle level sensor rear axle signal 1</li> <li>- Vehicle front left level</li> <li>- Vehicle front right level</li> <li>- Security shutdown</li> <li>- Current consumption pressure reduction valve</li> <li>- Sport-mode, button</li> <li>- Compressor, runtime</li> <li>- Damper mode</li> <li>- Central accumulator valve power input</li> <li>- Terminal 87</li> <li>- Sports mode LED</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Front left damper valve 1</li> <li>- Front left damper valve 2</li> <li>- Front right damper valve 1</li> <li>- Front right damper valve 2</li> <li>- Rear left damper valve 1</li> <li>- Rear left damper valve 2</li> <li>- Rear right damper valve 1</li> <li>- Rear right damper valve 2</li> <li>- Pressure release front left spring strut</li> <li>- Pressure release front right spring strut</li> <li>- Pressure release rear left spring strut</li> <li>- Pressure release rear right spring strut</li> <li>- Charging the front left spring strut</li> <li>- Charging the front right spring strut</li> <li>- Charging the rear left spring strut</li> <li>- Charging the rear right spring strut</li> <li>- Central pressure accum., pressure discharge</li> <li>- Centr. pressure accum., charging</li> <li>- Button LED</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Passenger compartment key detection</li> <li>- Luggage compartment key recognition</li> </ul> </li> </ul>

				<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Sensor, front left</li> <li>- Sensor, front right</li> <li>- Rear left sensor</li> <li>- Rear right sensor</li> <li>- Door handle sensor, front left</li> <li>- Door handle sensor, front right</li> <li>- Door handle sensor, rear left</li> <li>- Door handle sensor, rear right</li> <li>- Rear left door antenna</li> <li>- Rear right door antenna</li> <li>- Luggage compartment antenna</li> <li>- Keyless Go equipment</li> <li>- Front interior antenna</li> <li>- Rear interior antenna</li> <li>- Rear lid handle sensor</li> <li>- Front left door exterior handle</li> <li>- Front right door exterior handle</li> <li>- Rear left door exterior handle</li> <li>- Rear right door exterior handle</li> </ul> </li> </ul>
				<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Reset event counter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Fire protection</li> <li>- Battery coupling relay</li> <li>- Starter battery voltage</li> <li>- Vehicle electrical system battery voltage</li> <li>- Battery coupling relay last cut-in mileage</li> <li>- Battery coupling relay cut-ins</li> <li>- Closed circuit relay</li> <li>- Charge converter charging current</li> <li>- Internal charge converter</li> <li>- Battery coupling relay active: Cause</li> <li>- Number of load deactivations</li> <li>- Number of vehicle electrical system warnings</li> <li>- Last vehicle electrical system warning mileage</li> <li>- Vehicle electrical system warning: Cause</li> <li>- Number of closed circuit relay activations</li> <li>- Last closed circuit relay activation</li> <li>- Closed circuit relay activation: Cause</li> <li>- Control unit temperature</li> <li>- Loads switch off</li> </ul> </li> </ul>
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Tire inflation pressure set value change</li> <li>- Enter sensor code manually</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Battery voltage</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front axle tire pressure set value</li> </ul> </li> </ul>



	<ul style="list-style-type: none"> <li>- Rear axle tire pressure set value</li> <li>- Front left wheel acceleration</li> <li>- Front right wheel acceleration</li> <li>- Rear left wheel acceleration</li> <li>- Rear right wheel acceleration</li> </ul>
<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> </ul>
<p>Lights control XALWA Master</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> <li>- Voltage at terminal 56a</li> <li>- Front left axle sensor</li> <li>- Rear left axle sensor</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Dynamic steered headlights</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Turning angle sensor</li> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 61</li> <li>- Reverse gear</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering speed</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Rear axle sensor</li> <li>- Front axle sensor</li> <li>- Steered headlights position</li> <li>- Headlights Zero position</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Status light control</li> <li>- Voltage at terminal 56a</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static left turning light</li> <li>- Steered headlights to the left</li> <li>- Steered headlights to the right</li> <li>- Left cornering light, left swivel</li> <li>- Left cornering light, right swivel</li> <li>- Left cornering light in center position</li> <li>- Left and right turning light</li> </ul> </li> </ul>
			Lights control XALWA Slave		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Zero point programming axle sensors</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Steering wheel rotation angle sensor</li> <li>- reflexive angle</li> <li>- High beam light</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Steering wheel, steering angle</li> <li>- Indicators switch</li> <li>- Wheel speed front left</li> <li>- Wheel speed front right</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Static right turning light</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>
			Lights control XALWA High Line (Slave)		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transverse acceleration</li> <li>- Control unit power supply</li> <li>- Terminal 56b voltage</li> <li>- Lights vertical regulation servo motor position</li> <li>- Lamp, ignition voltage</li> <li>- Lamp intensity</li> <li>- Main beam switch</li> <li>- Wheel speed rear left</li> <li>- Wheel speed rear right</li> <li>- Steered headlights position</li> <li>- Voltage at terminal 56a</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Driving with headlights range in central position</li> <li>- Driving with headlights range in maximum position</li> <li>- Driving with headlights range in minimum position</li> <li>- Right cornering light, left swivel</li> <li>- Right cornering light, right swivel</li> <li>- Right cornering light in center position</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
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2001/10 - 2005/12	M 113.963	5.0	306	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
2006/01 - 2012/11	M 273.965	5.5	388	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> </ul> </li> </ul>

- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

**MERCEDES BENZ** **SL-Klasse [230] - SL 55 AMG**

Year	Engine	Liters	HP	System	Functions
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2001/10 - 2006/02	M 113.992	5.4	500	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
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2006/01 - 2008/03	M 113.995	5.4	517	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> </ul> </li> </ul>
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- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

**MERCEDES BENZ**

**SL-Klasse [230] - SL 350**

Year	Engine	Liters	HP	System	Functions
2003/03 - 2005/12	M 112.973	3.7	245	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> </ul> </li> </ul>

2006/01 - 2007/12	M 272.966	3.5	272	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
2008/01 - 2011/12	M 272.968	3.5	316	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>

**MERCEDES BENZ** **SL-Klasse [230] - SL 600**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>
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<p>2003/03 - 2005/12</p>	<p>M 275.951</p>	<p>5.5</p>	<p>500</p>	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
<p>2006/01 - 2012/11</p>	<p>M 275.954</p>	<p>5.5</p>	<p>517</p>	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> </ul> </li> </ul>

- Rear right, sensor battery: Remaining life

MERCEDES BENZ				SL-Klasse [230] - SL 65 AMG	
Year	Engine	Liters	HP	System	Functions
2004/09 - 2011/12	M 275.98...	6.0	612	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>

MERCEDES BENZ				SL-Klasse [230] - SL 280	
Year	Engine	Liters	HP	System	Functions
2008/01 - 2009/04	M 272.949	3.0	231	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> </ul> </li> </ul>



- Battery, front left pressure sensor
- Battery, front right pressure sensor
- Tire pressure, rear right
- Tire pressure, rear left
- Tire pressure, front left
- Tire pressure, front right
- System
- Monitoring
- Sensor recognition/assignment
- Front left, inflation pressure, set value
- Front right, inflation pressure, set value
- Rear left, inflation pressure, set value
- Rear right, inflation pressure, set value
- Front left, sensor battery: Remaining life
- Front right sensor battery: Remaining life
- Rear left, sensor battery: Remaining life
- Rear right, sensor battery: Remaining life

**MERCEDES BENZ** **SL-Klasse [230] - SL 63 AMG**

Year	Engine	Liters	HP	System	Functions
2008/01 - 2011/12	M 156.981	6.2	525	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>

**MERCEDES BENZ** **SL-Klasse [230] - SL 300**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

2009/05 - 2011/12	M 272.949	3.0	231	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
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<b>MERCEDES BENZ SLK-Klasse [171] - SLK 200 KOMPRESSOR</b>					
Year	Engine	Liters	HP	System	Functions
2004/04 - 2007/11	M 271.944	1.8	163	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2007/12 - 2010/11	M 271.954	1.8	184	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ SLK-Klasse [171] - SLK 350</b>					
Year	Engine	Liters	HP	System	Functions
2004/04 - 2007/11	M 272.963	3.5	272	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>
2007/12 - 2011/02	M 272.969	3.5	305	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

<b>MERCEDES BENZ SLK-Klasse [171] - SLK 55 AMG</b>					
Year	Engine	Liters	HP	System	Functions
2004/04 - 2010/11	M 113.989	5.4	360	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**SLK-Klasse [171] - SLK 280**

Year	Engine	Liters	HP	System	Functions
2005/05 - 2009/02	M 272.942	3.0	231	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**SLK-Klasse [171] - SLK 300**

Year	Engine	Liters	HP	System	Functions
2009/03 - 2010/11	M 272.942	3.0	231	Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**SLR-Klasse [199] Coupe - SLR 5.4 Coupe**

Year	Engine	Liters	HP	System	Functions
2004/04 - 2009/12	M 155.980	5.4	626	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**SLR-Klasse [199] Coupe - SLR 5.4 Coupe 722 Edition**

Year	Engine	Liters	HP	System	Functions

Year	Engine	Liters	HP	System	Functions
2006/07 - 2009/12	M 155.980	5.4	650	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul> </li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

**MERCEDES BENZ**
**SLR-Klasse [199] Roadster - SLR 5.4 Roadster**

Year	Engine	Liters	HP	System	Functions
2007/04 -	M 155.980	5.4	626	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read the event memory</li> <li>- Status change, control unit</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Pressure sensor status, front left</li> <li>- Pressure sensor status, front right</li> <li>- Pressure sensor status, rear left</li> <li>- Pressure sensor status, rear right</li> <li>- Rear left tire temperature</li> <li>- Rear right tire temperature</li> <li>- Front left tire temperature</li> <li>- Front right tire temperature</li> <li>- Rear left sensor code</li> <li>- Rear right sensor code</li> <li>- Front left sensor code</li> <li>- Front right sensor code</li> <li>- Battery, rear left pressure sensor</li> <li>- Battery, rear right pressure sensor</li> <li>- Battery, front left pressure sensor</li> </ul> </li> </ul>

2009/12					<ul style="list-style-type: none"> <li>- Battery, front right pressure sensor</li> <li>- Tire pressure, rear right</li> <li>- Tire pressure, rear left</li> <li>- Tire pressure, front left</li> <li>- Tire pressure, front right</li> <li>- System</li> <li>- Monitoring</li> <li>- Sensor recognition/assignment</li> <li>- Front left, inflation pressure, set value</li> <li>- Front right, inflation pressure, set value</li> <li>- Rear left, inflation pressure, set value</li> <li>- Rear right, inflation pressure, set value</li> <li>- Front left, sensor battery: Remaining life</li> <li>- Front right sensor battery: Remaining life</li> <li>- Rear left, sensor battery: Remaining life</li> <li>- Rear right, sensor battery: Remaining life</li> </ul>
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Read configuration</b></li> <li>• <b>Error memory</b></li> </ul>

MERCEDES BENZ					Vaneo [414] - Vaneo 1.6	
Year	Engine	Liters	HP	System	Functions	
2002/02 - 2005/08	M 166.961	1.6	82	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul> </li> </ul>	

MERCEDES BENZ					Vaneo [414] - Vaneo 1.9	
Year	Engine	Liters	HP	System	Functions	
2002/02 - 2005/08	M 166.991	1.9	125	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> </ul> </li> </ul>	

- Transponder ID key 2
- Transponder ID key 3
- Transponder ID key 4
- Transponder ID key 5
- Transponder ID key 6
- Transponder ID key 7
- Transponder ID key 8
- Transponder ID key 1
- Vehicle identification number
- **Actuators**
  - Central locking system open
  - Central locking system close

**MERCEDES BENZ** **Vaneo [414] - Vaneo CDI 1.7**

Year	Engine	Liters	HP	System	Functions
2002/02 - 2005/08	OM 668.914	1.7	75	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Key 1</li> <li>- Key 2</li> <li>- Key 3</li> <li>- Key 4</li> <li>- Key 5</li> <li>- Used switch at the moment</li> <li>- Switch 6</li> <li>- Switch 7</li> <li>- Switch 8</li> <li>- Transponder ID key 2</li> <li>- Transponder ID key 3</li> <li>- Transponder ID key 4</li> <li>- Transponder ID key 5</li> <li>- Transponder ID key 6</li> <li>- Transponder ID key 7</li> <li>- Transponder ID key 8</li> <li>- Transponder ID key 1</li> <li>- Vehicle identification number</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Central locking system open</li> <li>- Central locking system close</li> </ul> </li> </ul>

[Mini \[R 50\] - One 1.6 i](#)

[Mini \[R 50\] - Cooper](#)

[Mini \[R 50\] - One 1.4 i](#)

[Mini \[R 50\] - One 1.4 D](#)

[Mini \[R 53\] - Cooper S](#)

[Mini \[R 53\] - John Cooper Works](#)

[Mini \[R 53\] - Cooper S Coupe](#)

## MINI (BMW)

## Mini [R 50] - One 1.6 i

Year	Engine	Liters	HP	System	Functions
2001/06 - 2006/11	W10 B16A...	1.6	90	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Ignition circuit 1, driver, front</li> <li>- Ignition circuit 2, driver, front</li> <li>- Ignition circuit 1, passenger, front</li> <li>- Ignition circuit 2, passenger, front</li> <li>- Seat occupation sensor front passenger's side front</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Side airbag left front</li> <li>- Side airbag right front</li> <li>- Windowbag left front</li> <li>- Windowbag right front</li> <li>- Lateral impact sensor left</li> <li>- Lateral impact sensor right</li> <li>- Ignition circuit 1 Battery disconnection</li> <li>- Ignition circuit 2 Battery disconnection</li> <li>- Seat backrest lock front driver's side</li> <li>- Seat backrest lock front passenger's side</li> </ul> </li> </ul>

## MINI (BMW)

## Mini [R 50] - Cooper

Year	Engine	Liters	HP	System	Functions
2001/06 - 2007/11	W10 B16A...	1.6	115	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Ignition circuit 1, driver, front</li> <li>- Ignition circuit 2, driver, front</li> <li>- Ignition circuit 1, passenger, front</li> <li>- Ignition circuit 2, passenger, front</li> <li>- Seat occupation sensor front passenger's side front</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Side airbag left front</li> <li>- Side airbag right front</li> <li>- Windowbag left front</li> <li>- Windowbag right front</li> <li>- Lateral impact sensor left</li> <li>- Lateral impact sensor right</li> <li>- Ignition circuit 1 Battery disconnection</li> <li>- Ignition circuit 2 Battery disconnection</li> <li>- Seat backrest lock front driver's side</li> <li>- Seat backrest lock front passenger's side</li> </ul> </li> </ul>

## MINI (BMW)

## Mini [R 50] - One 1.4 i

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>



2002/09 - 2004/12	W10 B14A	1.4	75	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> <li>- Ignition circuit 1, driver, front</li> <li>- Ignition circuit 2, driver, front</li> <li>- Ignition circuit 1, passenger, front</li> <li>- Ignition circuit 2, passenger, front</li> <li>- Seat occupation sensor front passenger's side front</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Side airbag left front</li> <li>- Side airbag right front</li> <li>- Windowbag left front</li> <li>- Windowbag right front</li> <li>- Lateral impact sensor left</li> <li>- Lateral impact sensor right</li> <li>- Ignition circuit 1 Battery disconnection</li> <li>- Ignition circuit 2 Battery disconnection</li> <li>- Seat backrest lock front driver's side</li> <li>- Seat backrest lock front passenger's side</li> </ul>
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**MINI (BMW) Mini [R 50] - One 1.4 D**

Year	Engine	Liters	HP	System	Functions
2003/03 - 2005/09	1 ND	1.4	75	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Ignition circuit 1, driver, front</li> <li>- Ignition circuit 2, driver, front</li> <li>- Ignition circuit 1, passenger, front</li> <li>- Ignition circuit 2, passenger, front</li> <li>- Seat occupation sensor front passenger's side front</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Side airbag left front</li> <li>- Side airbag right front</li> <li>- Windowbag left front</li> <li>- Windowbag right front</li> <li>- Lateral impact sensor left</li> <li>- Lateral impact sensor right</li> <li>- Ignition circuit 1 Battery disconnection</li> <li>- Ignition circuit 2 Battery disconnection</li> <li>- Seat backrest lock front driver's side</li> <li>- Seat backrest lock front passenger's side</li> </ul> </li> </ul>
2005/09 - 2006/11	1 ND	1.4	88	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Ignition circuit 1, driver, front</li> <li>- Ignition circuit 2, driver, front</li> <li>- Ignition circuit 1, passenger, front</li> <li>- Ignition circuit 2, passenger, front</li> <li>- Seat occupation sensor front passenger's side front</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Side airbag left front</li> <li>- Side airbag right front</li> <li>- Windowbag left front</li> <li>- Windowbag right front</li> <li>- Lateral impact sensor left</li> <li>- Lateral impact sensor right</li> <li>- Ignition circuit 1 Battery disconnection</li> </ul> </li> </ul>

- Ignition circuit 2 Battery disconnection
- Seat backrest lock front driver's side
- Seat backrest lock front passenger's side

MINI (BMW)						Mini [R 53] - Cooper S
Year	Engine	Liters	HP	System	Functions	
2002/03 - 2004/07	W11 B16A	1.6	163	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Ignition circuit 1, driver, front</li> <li>- Ignition circuit 2, driver, front</li> <li>- Ignition circuit 1, passenger, front</li> <li>- Ignition circuit 2, passenger, front</li> <li>- Seat occupation sensor front passenger's side front</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Side airbag left front</li> <li>- Side airbag right front</li> <li>- Windowbag left front</li> <li>- Windowbag right front</li> <li>- Lateral impact sensor left</li> <li>- Lateral impact sensor right</li> <li>- Ignition circuit 1 Battery disconnection</li> <li>- Ignition circuit 2 Battery disconnection</li> <li>- Seat backrest lock front driver's side</li> <li>- Seat backrest lock front passenger's side</li> </ul> </li> </ul>	
2004/08 - 2006/11	W11 B16A	1.6	170	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Ignition circuit 1, driver, front</li> <li>- Ignition circuit 2, driver, front</li> <li>- Ignition circuit 1, passenger, front</li> <li>- Ignition circuit 2, passenger, front</li> <li>- Seat occupation sensor front passenger's side front</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Side airbag left front</li> <li>- Side airbag right front</li> <li>- Windowbag left front</li> <li>- Windowbag right front</li> <li>- Lateral impact sensor left</li> <li>- Lateral impact sensor right</li> <li>- Ignition circuit 1 Battery disconnection</li> <li>- Ignition circuit 2 Battery disconnection</li> <li>- Seat backrest lock front driver's side</li> <li>- Seat backrest lock front passenger's side</li> </ul> </li> </ul>	

MINI (BMW)						Mini [R 53] - John Cooper Works
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Ignition circuit 1, driver, front</li> </ul> </li> </ul>	

2003/10 - 2004/07	W11 B16A	1.6	200	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> <li>- Ignition circuit 2, driver, front</li> <li>- Ignition circuit 1, passenger, front</li> <li>- Ignition circuit 2, passenger, front</li> <li>- Seat occupation sensor front passenger's side front</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Side airbag left front</li> <li>- Side airbag right front</li> <li>- Windowbag left front</li> <li>- Windowbag right front</li> <li>- Lateral impact sensor left</li> <li>- Lateral impact sensor right</li> <li>- Ignition circuit 1 Battery disconnection</li> <li>- Ignition circuit 2 Battery disconnection</li> <li>- Seat backrest lock front driver's side</li> <li>- Seat backrest lock front passenger's side</li> </ul>
2004/08 - 2006/11	W11 B16A	1.6	210 - 218	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Ignition circuit 1, driver, front</li> <li>- Ignition circuit 2, driver, front</li> <li>- Ignition circuit 1, passenger, front</li> <li>- Ignition circuit 2, passenger, front</li> <li>- Seat occupation sensor front passenger's side front</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Side airbag left front</li> <li>- Side airbag right front</li> <li>- Windowbag left front</li> <li>- Windowbag right front</li> <li>- Lateral impact sensor left</li> <li>- Lateral impact sensor right</li> <li>- Ignition circuit 1 Battery disconnection</li> <li>- Ignition circuit 2 Battery disconnection</li> <li>- Seat backrest lock front driver's side</li> <li>- Seat backrest lock front passenger's side</li> </ul> </li> </ul>

**MINI (BMW)**
**Mini [R 53] - Cooper S Coupe**

Year	Engine	Liters	HP	System	Functions
2002/03 - 2004/07	W11 B16A	1.6	163	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Ignition circuit 1, driver, front</li> <li>- Ignition circuit 2, driver, front</li> <li>- Ignition circuit 1, passenger, front</li> <li>- Ignition circuit 2, passenger, front</li> <li>- Seat occupation sensor front passenger's side front</li> <li>- Seat belt lock switch driver seat front</li> <li>- Seat belt lock switch front passenger seat</li> <li>- Seat belt pre-load device driver front</li> <li>- Seat belt pre-load device front passenger front</li> <li>- Side airbag left front</li> <li>- Side airbag right front</li> <li>- Windowbag left front</li> <li>- Windowbag right front</li> <li>- Lateral impact sensor left</li> <li>- Lateral impact sensor right</li> <li>- Ignition circuit 1 Battery disconnection</li> <li>- Ignition circuit 2 Battery disconnection</li> </ul> </li> </ul>

- |  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  | <ul style="list-style-type: none"><li>- Seat backrest lock front driver's side</li><li>- Seat backrest lock front passenger's side</li></ul> |
|--|--|--|--|--|--|

[Movano \[B\] - Movano 2.3 CDTI FWD](#)

[Movano \[B\] - Movano 2.3 CDTI RWD](#)

**OPEL** **Movano [B] - Movano 2.3 CDTI FWD**

Year	Engine	Liters	HP	System	Functions
2010/04 -	M9T 67...	2.3	101	Instrument cluster Instrument cluster 8.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Oil pressure switch</li> <li>- Odometer</li> <li>- Service interval (months)</li> <li>- Service interval, mileage</li> <li>- Remaining time (months)</li> <li>- Parking brake switch</li> <li>- Remaining distance in km</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Warning lights</li> <li>- Revolution meter</li> <li>- Instrument lighting</li> <li>- Warning buzzer</li> </ul> </li> </ul>

**OPEL** **Movano [B] - Movano 2.3 CDTI RWD**

Year	Engine	Liters	HP	System	Functions
2010/04 -	M9T 69...	2.3	101	Instrument cluster Instrument cluster 8.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Oil pressure switch</li> <li>- Odometer</li> <li>- Service interval (months)</li> <li>- Service interval, mileage</li> <li>- Remaining time (months)</li> <li>- Parking brake switch</li> <li>- Remaining distance in km</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Warning lights</li> <li>- Revolution meter</li> <li>- Instrument lighting</li> <li>- Warning buzzer</li> </ul> </li> </ul>

[508 \[W2\] - 508 2.2 HDi](#)

[508 \[W2\] SW - 508 2.2 HDi SW](#)

[Boxer - Boxer 2.8 HDi](#)

[Boxer - Boxer 2.3 D](#)

[Boxer \[U9\] - Boxer 2.2 HDi](#)

[Boxer \[U9\] - Boxer 3.0 HDi](#)

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> <li>- Final compression pressure/final compression temperature</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptive parameters reset</li> <li>- Injector quantity adjustment</li> <li>- Exhaust gas recirculation control unit</li> <li>- Restoration of adaptation values of the exhaust gas recirculation</li> <li>- Reset Lambda sensor adaptation values</li> <li>- Particle filter-Regeneration</li> <li>- Reset additive level</li> <li>- Adaptation clear after pump replacement</li> <li>- Filling of additive tank</li> <li>- Reset after replacement of additive filter</li> <li>- Reset after replacement of turbocharger</li> <li>- Adapt air mass meter</li> <li>- Reset air mass meter adaptation values</li> <li>- Reset of injectors adaption values, cyl. 1</li> <li>- Reset of injectors adaption values, cyl. 2</li> <li>- Reset of injectors adaption values, cyl. 3</li> <li>- Reset of injectors adaption values, cyl. 4</li> <li>- Reset after replacing engine</li> <li>- Reset turbocharger wear counter</li> <li>- Exhaust manifold wear counter</li> <li>- Reset cylinder head wear counter</li> <li>- Reset engine block wear counter</li> <li>- Reset timing chain wear counter</li> <li>- Reset EGR cooler wear counter</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Actual value particle filter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transmission type</li> <li>- Quantity correction for cylinder 1</li> <li>- Quantity correction for cylinder 2</li> <li>- Quantity correction for cylinder 3</li> <li>- Quantity correction for cylinder 4</li> <li>- Vehicle driving speed</li> <li>- Engine oil pressure</li> <li>- Accelerator pedal position</li> <li>- Fuel temperature</li> <li>- Status immobilizer</li> <li>- Coolant temperature</li> <li>- air conditioner/compressor readiness signal</li> <li>- Engine revolution</li> <li>- atmospheric pressure</li> <li>- Gear engaged</li> <li>- Control unit power supply</li> <li>- signal, brake switch</li> <li>- Clutch switch</li> <li>- recommended idle revolutions</li> <li>- throttle valve actual value</li> <li>- Engine status</li> <li>- ignition blocking signal</li> <li>- Main relay</li> <li>- turbo charger regulating valve</li> <li>- turbo charger regulating valve</li> <li>- engine oil temperature</li> <li>- actual value of moment motor</li> <li>- stop lights switch</li> <li>- injected fuel quantity</li> <li>- camshaft with crank shaft engagement</li> <li>- Additional heating relay</li> <li>- Rail pressure, nominal</li> </ul> </li> </ul>



2010/10

4HL

2.2

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Engine control  
Diesel EDC 17CP42

- Rail pressure, actual
- Air mass, nominal value
- Turbo pressure, nominal value
- Turbo pressure, actual value
- CAN: front axle speed
- CAN message, engine revolutions signal
- Fan 1 control
- Fan 2 control
- Brake pedal switch
- Exhausted gases recirculation adaptation
- Adaptation of charge air flow flap
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Fuel quantity metering device pulse-duty factor
- Air conditioner system pressure
- Tank filling door
- Injection time, cylinder 1
- Injection time, cylinder 2
- Injection time, cylinder 3
- Injection time, cylinder 4
- Variable speed limit
- Driving speed control
- Cooling agent pressure sensor
- Clutch pedal switch
- Engine start temperature
- Full throttle gas pedal position
- Brake pedal switch (redundancy)
- Start permission
- AGR-Magnetic valve duty cycle
- Wheel acceleration
- Rail pressure (measured)
- System in fail safe
- Cooling agent temperature control light
- Throttle valve required position
- Tempomat speed (required value)
- Injection pump revolutions
- Fuel level minimum
- Cooling agent pressure
- Signal for switching on air conditioner compressor
- Control unit status
- Immobilizer status
- Additive minimum level
- Injected amount of additive
- Particle filter output temperature
- Drive current, high-pressure pump
- Correction, Injection time
- EGR cooling bypass solenoid valve
- Ancillaries status signal
- DPF remaining mileage can be read out
- Particulate filter contamination level
- Estimated remaining HDP operating time
- Alternator regulator
- Number of terminated DPF regenerations
- Boost pressure upper limit first adaptation
- Boost pressure lower limit first adaptation
- EGR lower limit first adaptation
- Tank fill level via CAN
- Immobilizer code
- Recirculated-air flap, solenoid valve
- Radiator fan triggering actual value
- Electr. supplem. heater actuation
- Exhaust gas recirculation Position Actual Value
- Exhaust gas recirculation Position Target Value
- Ash content particle filter
- Distance since last regeneration
- Time since filling
- Calculated fuel quantity in oil
- Metering unit duty cycle, specified value
- Boost pressure control status bank 1
- Additive tank first filling
- Battery voltage on engine start
- Vehicle speed limitation button
- Intake air temperature not corrected

- Short-term DPF regeneration condition
- Long-term DPF regeneration condition
- Final compression
- Final compression temperature
- Atmospheric pressure on engine start
- Fuel temperature on engine start
- Mileage on engine start
- Estimated remaining rail operation time
- Remaining EGR cooler time
- Remaining timing chain time
- Remaining turbocharger time
- Remaining engine block time
- Remaining cylinder head time
- EGR valve adaptation value reset
- Air leakage
- Cooling agent compressor request
- Particle filter differential pressure
- Last adaption exhaust gas recirculation system
- First adaption exhaust gas flap control
- Last adaption exhaust gas flap controller
- Radiator fan request air-conditioner
- CAN message - coolant temperature
- Intake air temperature 2
- AGR cooling solenoid valve
- Status Particle filter-Regeneration
- Status Wake-Up Signal
- Throttle valve status
- Driver input torque
- Conditions for DPF-Regeneration
- Intake air, temperature 1
- Carbon black content Particle filter
- Alternator regulator set value
- EGR adaption mode status
- EGR valve fully closed adapt. value
- Additive reservoir
- Average mileage between regenerations
- Power loss
- Suction control valve control current nominal value
- Engine oil temperature sensor
- Time from last regeneration
- Turbocharger pressure lower limit adaptation
- Turbocharger pressure upper limit adaptation
- EGR upper limit adaptation
- Distance from the last DPF change
- Average piston speed
- Particle filter quality
- Crankshaft circumferent. speed
- Residual additive quantity
- Turbocharger boost pressure valve, set value
- **Actuators**
  - Air pressure in intake manifold
  - Oxygen sensor
  - circuit compressor control
  - exhausted gases recirculation control circuit
  - interference engine
  - Air mass meter signal
  - exhausted gases recirculation solenoid 1
  - Main relay
  - turbo charger regulating valve
  - warming up relay
  - Additional heater
  - Suction control valve
  - Fuel pressure controller
  - Radiator fan high speed
  - Radiator fan: medium speed
  - Exhaust gas recirculation control unit
  - Auxiliary heater heating element 1
  - Auxiliary heater – Heating component 2
  - Additive delivery pump

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> <li>- Final compression pressure/final compression temperature</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Adaptive parameters reset</li> <li>- Injector quantity adjustment</li> <li>- Exhaust gas recirculation control unit</li> <li>- Restoration of adaptation values of the exhaust gas recirculation</li> <li>- Reset Lambda sensor adaptation values</li> <li>- Particle filter-Regeneration</li> <li>- Reset additive level</li> <li>- Adaptation clear after pump replacement</li> <li>- Filling of additive tank</li> <li>- Reset after replacement of additive filter</li> <li>- Reset after replacement of turbocharger</li> <li>- Adapt air mass meter</li> <li>- Reset air mass meter adaptation values</li> <li>- Reset of injectors adaption values, cyl. 1</li> <li>- Reset of injectors adaption values, cyl. 2</li> <li>- Reset of injectors adaption values, cyl. 3</li> <li>- Reset of injectors adaption values, cyl. 4</li> <li>- Reset after replacing engine</li> <li>- Reset turbocharger wear counter</li> <li>- Exhaust manifold wear counter</li> <li>- Reset cylinder head wear counter</li> <li>- Reset engine block wear counter</li> <li>- Reset timing chain wear counter</li> <li>- Reset EGR cooler wear counter</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Actual value particle filter</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Transmission type</li> <li>- Quantity correction for cylinder 1</li> <li>- Quantity correction for cylinder 2</li> <li>- Quantity correction for cylinder 3</li> <li>- Quantity correction for cylinder 4</li> <li>- Vehicle driving speed</li> <li>- Engine oil pressure</li> <li>- Accelerator pedal position</li> <li>- Fuel temperature</li> <li>- Status immobilizer</li> <li>- Coolant temperature</li> <li>- air conditioner/compressor readiness signal</li> <li>- Engine revolution</li> <li>- atmospheric pressure</li> <li>- Gear engaged</li> <li>- Control unit power supply</li> <li>- signal, brake switch</li> <li>- Clutch switch</li> <li>- recommended idle revolutions</li> <li>- throttle valve actual value</li> <li>- Engine status</li> <li>- ignition blocking signal</li> <li>- Main relay</li> <li>- turbo charger regulating valve</li> <li>- turbo charger regulating valve</li> <li>- engine oil temperature</li> <li>- actual value of moment motor</li> <li>- stop lights switch</li> <li>- injected fuel quantity</li> <li>- camshaft with crank shaft engagement</li> <li>- Additional heating relay</li> <li>- Rail pressure, nominal</li> <li>- Rail pressure, actual</li> <li>- Air mass, nominal value</li> <li>- Turbo pressure, nominal value</li> </ul> </li> </ul>

2010/10

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2.2

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Engine control  
Diesel EDC 17CP42

- Turbo pressure, actual value
- CAN: front axle speed
- CAN message, engine revolutions signal
- Fan 1 control
- Fan 2 control
- Brake pedal switch
- Exhausted gases recirculation adaptation
- Adaptation of charge air flow flap
- Acceleration pedal position sensor 1
- Acceleration pedal position sensor 2
- Fuel quantity metering device pulse-duty factor
- Air conditioner system pressure
- Tank filling door
- Injection time, cylinder 1
- Injection time, cylinder 2
- Injection time, cylinder 3
- Injection time, cylinder 4
- Variable speed limit
- Driving speed control
- Cooling agent pressure sensor
- Clutch pedal switch
- Engine start temperature
- Full throttle gas pedal position
- Brake pedal switch (redundancy)
- Start permission
- AGR-Magnetic valve duty cycle
- Wheel acceleration
- Rail pressure (measured)
- System in fail safe
- Cooling agent temperature control light
- Throttle valve required position
- Tempomat speed (required value)
- Injection pump revolutions
- Fuel level minimum
- Cooling agent pressure
- Signal for switching on air conditioner compressor
- Control unit status
- Immobilizer status
- Additive minimum level
- Injected amount of additive
- Particle filter output temperature
- Drive current, high-pressure pump
- Correction, Injection time
- EGR cooling bypass solenoid valve
- Ancillaries status signal
- DPF remaining mileage can be read out
- Particulate filter contamination level
- Estimated remaining HDP operating time
- Alternator regulator
- Number of terminated DPF regenerations
- Boost pressure upper limit first adaptation
- Boost pressure lower limit first adaptation
- EGR lower limit first adaptation
- Tank fill level via CAN
- Immobilizer code
- Recirculated-air flap, solenoid valve
- Radiator fan triggering actual value
- Electr. supplem. heater actuation
- Exhaust gas recirculation Position Actual Value
- Exhaust gas recirculation Position Target Value
- Ash content particle filter
- Distance since last regeneration
- Time since filling
- Calculated fuel quantity in oil
- Metering unit duty cycle, specified value
- Boost pressure control status bank 1
- Additive tank first filling
- Battery voltage on engine start
- Vehicle speed limitation button
- Intake air temperature not corrected
- Short-term DPF regeneration condition
- Long-term DPF regeneration condition
- Final compression

- Final compression temperature
- Atmospheric pressure on engine start
- Fuel temperature on engine start
- Mileage on engine start
- Estimated remaining rail operation time
- Remaining EGR cooler time
- Remaining timing chain time
- Remaining turbocharger time
- Remaining engine block time
- Remaining cylinder head time
- EGR valve adaptation value reset
- Air leakage
- Cooling agent compressor request
- Particle filter differential pressure
- Last adaption exhaust gas recirculation system
- First adaption exhaust gas flap control
- Last adaption exhaust gas flap controller
- Radiator fan request air-conditioner
- CAN message - coolant temperature
- Intake air temperature 2
- AGR cooling solenoid valve
- Status Particle filter-Regeneration
- Status Wake-Up Signal
- Throttle valve status
- Driver input torque
- Conditions for DPF-Regeneration
- Intake air, temperature 1
- Carbon black content Particle filter
- Alternator regulator set value
- EGR adaption mode status
- EGR valve fully closed adapt. value
- Additive reservoir
- Average mileage between regenerations
- Power loss
- Suction control valve control current nominal value
- Engine oil temperature sensor
- Time from last regeneration
- Turbocharger pressure lower limit adaptation
- Turbocharger pressure upper limit adaptation
- EGR upper limit adaptation
- Distance from the last DPF change
- Average piston speed
- Particle filter quality
- Crankshaft circumferent. speed
- Residual additive quantity
- Turbocharger boost pressure valve, set value
- **Actuators**
- Air pressure in intake manifold
- Oxygen sensor
- circuit compressor control
- exhausted gases recirculation control circuit
- interference engine
- Air mass meter signal
- exhausted gases recirculation solenoid 1
- Main relay
- turbo charger regulating valve
- warming up relay
- Additional heater
- Suction control valve
- Fuel pressure controller
- Radiator fan high speed
- Radiator fan: medium speed
- Exhaust gas recirculation control unit
- Auxiliary heater heating element 1
- Auxiliary heater – Heating component 2
- Additive delivery pump

**PEUGEOT** **Boxer - Boxer 2.8 HDI**

Year	Engine	Liters	HP	System	Functions
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2005/09					
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- 2009/09	8140 43s	2.8	127	Special systems Configuration alignment 2.0	• <b>Adjustments / settings</b> - Vehicle configuration
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PEUGEOT						Boxer - Boxer 2.3 D					
Year	Engine	Liters	HP	System		Functions					
2009/10 - 2012/02	F1A	2.3	127	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

PEUGEOT						Boxer [U9] - Boxer 2.2 HDi					
Year	Engine	Liters	HP	System		Functions					
2006/06 -	4HV	2.2	101	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2010/07 -	4HM	2.2	129	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2011/06 -	4HG	2.2	110	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

PEUGEOT						Boxer [U9] - Boxer 3.0 HDi					
Year	Engine	Liters	HP	System		Functions					
2006/06 -	F1CE...	3.0	158	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2010/01 -	F1CE3481N	3.0	146	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2010/04 -	F1CE3481D	3.0	156	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					
2011/03 -	F1CE3481E	3.0	177	Special systems Configuration alignment 2.0		• <b>Adjustments / settings</b> - Vehicle configuration					

[Clio IV \[BH\] - Clio IV 0.9](#)

[Clio IV \[BH\] - Clio IV 1.2](#)

[Clio IV \[BH\] - Clio IV 1.5 dCi](#)

[Clio IV \[BH\] - Clio IV 1.6 R.S.](#)

[Clio IV \[BH\] - Clio IV 1.2 TCe](#)

[Clio IV \[KH\] Grandtour - Clio IV 0.9 Grandtour](#)

[Clio IV \[KH\] Grandtour - Clio IV 1.2 Grandtour](#)

[Clio IV \[KH\] Grandtour - Clio IV 1.5 dCi Grandtour](#)

[Clio IV \[KH\] Grandtour - Clio IV 1.2 TCe Grandtour](#)

[Kangoo II \[FW/KW\] - Kangoo II 1.6 16V](#)

[Kangoo II \[FW/KW\] - Kangoo II 1.6](#)

[Kangoo II \[FW/KW\] - Kangoo II 1.5 dCi](#)

[Kangoo II \[FW/KW\] - Kangoo II Z.E.](#)

[Koleos - Koleos 2.5](#)

[Koleos - Koleos 2.5 4x4](#)

[Koleos - Koleos 2.0 dCi](#)

[Koleos - Koleos 2.0 dCi 4x4](#)

[Master - Master 2.3 dCi](#)

[Twingo II \[CN/GN\] - Twingo II 1.2](#)

[Twingo II \[CN/GN\] - Twingo II 1.2 16V](#)

[Twingo II \[CN/GN\] - Twingo II 1.2 TCe](#)

[Twingo II \[CN/GN\] - Twingo II 1.5 dCi](#)

[Twingo II \[CN/GN\] - Twingo II 1.6 R.S.](#)

[Wind \[E4\] - Wind 1.2](#)

[Wind \[E4\] - Wind 1.6](#)

Year	Engine	Liters	HP	System	Functions
2012/05 -	H4B 400	0.9	90	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Fuel level sensor</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Maintenance interval in days</li> <li>- Remaining mileage in days</li> <li>- Fuel level gauge</li> <li>- Service interval display in days</li> <li>- Fuel reserve quantity</li> <li>- Status Handbrake</li> <li>- Tank level indication, segment 1</li> <li>- Tank level indication, segment 2</li> <li>- Tank level indication, segment 3</li> <li>- Tank level indication, segment 4</li> <li>- Tank level indication, segment 5</li> <li>- Tank level indication, segment 6</li> <li>- Tank level indication, segment 7</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Service interval/days</li> <li>- Oil service interval in miles</li> <li>- Oil service interval in km</li> <li>- Mileage until oil service in miles</li> <li>- Mileage until oil service in km</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument lighting</li> <li>- Instrument cluster indicator</li> <li>- Warning buzzer</li> <li>- Instrument cluster indication lamps</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Fuel level sensor</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Maintenance interval in days</li> <li>- Remaining mileage in days</li> <li>- Fuel level gauge</li> </ul> </li> </ul>



2012/05 -	D4F 740	1.2	73	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> <li>- Service interval display in days</li> <li>- Fuel reserve quantity</li> <li>- Status Handbrake</li> <li>- Tank level indication, segment 1</li> <li>- Tank level indication, segment 2</li> <li>- Tank level indication, segment 3</li> <li>- Tank level indication, segment 4</li> <li>- Tank level indication, segment 5</li> <li>- Tank level indication, segment 6</li> <li>- Tank level indication, segment 7</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Service interval/days</li> <li>- Oil service interval in miles</li> <li>- Oil service interval in km</li> <li>- Mileage until oil service in miles</li> <li>- Mileage until oil service in km</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument lighting</li> <li>- Instrument cluster indicator</li> <li>- Warning buzzer</li> <li>- Instrument cluster indication lamps</li> </ul> </li> </ul>
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**RENAULT** **Clio IV [BH] - Clio IV 1.5 dCi**

Year	Engine	Liters	HP	System	Functions
2012/05 -	K9K 612	1.5	75	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Fuel level sensor</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Maintenance interval in days</li> <li>- Remaining mileage in days</li> <li>- Fuel level gauge</li> <li>- Service interval display in days</li> <li>- Fuel reserve quantity</li> <li>- Status Handbrake</li> <li>- Tank level indication, segment 1</li> <li>- Tank level indication, segment 2</li> <li>- Tank level indication, segment 3</li> <li>- Tank level indication, segment 4</li> <li>- Tank level indication, segment 5</li> <li>- Tank level indication, segment 6</li> <li>- Tank level indication, segment 7</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Service interval/days</li> <li>- Oil service interval in miles</li> <li>- Oil service interval in km</li> <li>- Mileage until oil service in miles</li> <li>- Mileage until oil service in km</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument lighting</li> </ul> </li> </ul>

- Instrument cluster indicator
- Warning buzzer
- Instrument cluster indication lamps

RENAULT					Clio IV [BH] - Clio IV 1.6 R.S.	
Year	Engine	Liters	HP	System	Functions	
2012/12 -	M5M 400	1.6	200	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Fuel level sensor</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Maintenance interval in days</li> <li>- Remaining mileage in days</li> <li>- Fuel level gauge</li> <li>- Service interval display in days</li> <li>- Fuel reserve quantity</li> <li>- Status Handbrake</li> <li>- Tank level indication, segment 1</li> <li>- Tank level indication, segment 2</li> <li>- Tank level indication, segment 3</li> <li>- Tank level indication, segment 4</li> <li>- Tank level indication, segment 5</li> <li>- Tank level indication, segment 6</li> <li>- Tank level indication, segment 7</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Service interval/days</li> <li>- Oil service interval in miles</li> <li>- Oil service interval in km</li> <li>- Mileage until oil service in miles</li> <li>- Mileage until oil service in km</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument lighting</li> <li>- Instrument cluster indicator</li> <li>- Warning buzzer</li> <li>- Instrument cluster indication lamps</li> </ul> </li> </ul>	

RENAULT					Clio IV [BH] - Clio IV 1.2 TCe	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Fuel level sensor</li> <li>- Fuel level in the tank</li> </ul> </li> </ul>	

2013/01 -	H5F 403	1.2	120	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> <li>- Oil pressure switch</li> <li>- Maintenance interval in days</li> <li>- Remaining mileage in days</li> <li>- Fuel level gauge</li> <li>- Service interval display in days</li> <li>- Fuel reserve quantity</li> <li>- Status Handbrake</li> <li>- Tank level indication, segment 1</li> <li>- Tank level indication, segment 2</li> <li>- Tank level indication, segment 3</li> <li>- Tank level indication, segment 4</li> <li>- Tank level indication, segment 5</li> <li>- Tank level indication, segment 6</li> <li>- Tank level indication, segment 7</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Service interval/days</li> <li>- Oil service interval in miles</li> <li>- Oil service interval in km</li> <li>- Mileage until oil service in miles</li> <li>- Mileage until oil service in km</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument lighting</li> <li>- Instrument cluster indicator</li> <li>- Warning buzzer</li> <li>- Instrument cluster indication lamps</li> </ul> </li> </ul>
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**RENAULT** **Clio IV [KH] Grandtour - Clio IV 0.9 Grandtour**

Year	Engine	Liters	HP	System	Functions
2012/11 -	H4B 400	0.9	90	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Fuel level sensor</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Maintenance interval in days</li> <li>- Remaining mileage in days</li> <li>- Fuel level gauge</li> <li>- Service interval display in days</li> <li>- Fuel reserve quantity</li> <li>- Status Handbrake</li> <li>- Tank level indication, segment 1</li> <li>- Tank level indication, segment 2</li> <li>- Tank level indication, segment 3</li> <li>- Tank level indication, segment 4</li> <li>- Tank level indication, segment 5</li> <li>- Tank level indication, segment 6</li> <li>- Tank level indication, segment 7</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Service interval/days</li> <li>- Oil service interval in miles</li> <li>- Oil service interval in km</li> <li>- Mileage until oil service in miles</li> </ul> </li> </ul>

- Mileage until oil service in km
- **Actuators**
  - Display test
  - Instrument lighting
  - Instrument cluster indicator
  - Warning buzzer
  - Instrument cluster indication lamps

**RENAULT** **Clio IV [KH] Grandtour - Clio IV 1.2 Grandtour**

Year	Engine	Liters	HP	System	Functions
2012/11 -	D4F 740	1.2	73	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Fuel level sensor</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Maintenance interval in days</li> <li>- Remaining mileage in days</li> <li>- Fuel level gauge</li> <li>- Service interval display in days</li> <li>- Fuel reserve quantity</li> <li>- Status Handbrake</li> <li>- Tank level indication, segment 1</li> <li>- Tank level indication, segment 2</li> <li>- Tank level indication, segment 3</li> <li>- Tank level indication, segment 4</li> <li>- Tank level indication, segment 5</li> <li>- Tank level indication, segment 6</li> <li>- Tank level indication, segment 7</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Service interval/days</li> <li>- Oil service interval in miles</li> <li>- Oil service interval in km</li> <li>- Mileage until oil service in miles</li> <li>- Mileage until oil service in km</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument lighting</li> <li>- Instrument cluster indicator</li> <li>- Warning buzzer</li> <li>- Instrument cluster indication lamps</li> </ul> </li> </ul>

**RENAULT** **Clio IV [KH] Grandtour - Clio IV 1.5 dCi Grandtour**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> </ul> </li> </ul>

2012/11 -	K9K 612	1.5	75	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Fuel level sensor</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Maintenance interval in days</li> <li>- Remaining mileage in days</li> <li>- Fuel level gauge</li> <li>- Service interval display in days</li> <li>- Fuel reserve quantity</li> <li>- Status Handbrake</li> <li>- Tank level indication, segment 1</li> <li>- Tank level indication, segment 2</li> <li>- Tank level indication, segment 3</li> <li>- Tank level indication, segment 4</li> <li>- Tank level indication, segment 5</li> <li>- Tank level indication, segment 6</li> <li>- Tank level indication, segment 7</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Service interval/days</li> <li>- Oil service interval in miles</li> <li>- Oil service interval in km</li> <li>- Mileage until oil service in miles</li> <li>- Mileage until oil service in km</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Display test</li> <li>- Instrument lighting</li> <li>- Instrument cluster indicator</li> <li>- Warning buzzer</li> <li>- Instrument cluster indication lamps</li> </ul> </li> </ul>
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**RENAULT**
**Clio IV [KH] Grandtour - Clio IV 1.2 TCe Grandtour**

Year	Engine	Liters	HP	System	Functions
2013/01 -	H5F 403	1.2	120	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Fuel level sensor</li> <li>- Fuel level in the tank</li> <li>- Oil pressure switch</li> <li>- Maintenance interval in days</li> <li>- Remaining mileage in days</li> <li>- Fuel level gauge</li> <li>- Service interval display in days</li> <li>- Fuel reserve quantity</li> <li>- Status Handbrake</li> <li>- Tank level indication, segment 1</li> <li>- Tank level indication, segment 2</li> <li>- Tank level indication, segment 3</li> <li>- Tank level indication, segment 4</li> <li>- Tank level indication, segment 5</li> <li>- Tank level indication, segment 6</li> <li>- Tank level indication, segment 7</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> </ul> </li> </ul>

- Service interval/days
- Oil service interval in miles
- Oil service interval in km
- Mileage until oil service in miles
- Mileage until oil service in km
- **Actuators**
  - Display test
  - Instrument lighting
  - Instrument cluster indicator
  - Warning buzzer
  - Instrument cluster indication lamps

**RENAULT** **Kangoo II [FW/KW] - Kangoo II 1.6 16V**

Year	Engine	Liters	HP	System	Functions
2008/01 -	K4M 830	1.6	106	Instrument cluster Instrument cluster 3.8	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> <li>- Control unit reset</li> <li>- Service interval adjustment</li> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- Contact switch</li> <li>- brake fluid level</li> <li>- Warning lights</li> <li>- Short lights</li> <li>- High beam light</li> <li>- Driver door</li> <li>- Passenger's seat</li> <li>- Rear fog light</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Oil pressure switch</li> <li>- Odometer</li> <li>- Seat belt control light</li> <li>- Service control light</li> <li>- Fog light</li> <li>- Service interval (months)</li> <li>- Remaining time (months)</li> <li>- Parking brake switch</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Warning lights</li> <li>- Revolution meter</li> <li>- Segment test</li> <li>- Instrument lighting</li> <li>- Warning audio tone emitter</li> <li>- Warning buzzer</li> <li>- Instruments and control lights</li> <li>- Analogue display test</li> </ul> </li> </ul>

**RENAULT** **Kangoo II [FW/KW] - Kangoo II 1.6**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

2008/01 -	K7M 750	1.6	87	Instrument cluster Instrument cluster 3.8	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> <li>- Control unit reset</li> <li>- Service interval adjustment</li> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- Contact switch</li> <li>- brake fluid level</li> <li>- Warning lights</li> <li>- Short lights</li> <li>- High beam light</li> <li>- Driver door</li> <li>- Passenger's seat</li> <li>- Rear fog light</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Oil pressure switch</li> <li>- Odometer</li> <li>- Seat belt control light</li> <li>- Service control light</li> <li>- Fog light</li> <li>- Service interval (months)</li> <li>- Remaining time (months)</li> <li>- Parking brake switch</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Warning lights</li> <li>- Revolution meter</li> <li>- Segment test</li> <li>- Instrument lighting</li> <li>- Warning audio tone emitter</li> <li>- Warning buzzer</li> <li>- Instruments and control lights</li> <li>- Analogue display test</li> </ul> </li> </ul>
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**RENAULT** **Kangoo II [FW/KW] - Kangoo II 1.5 dCi**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> <li>- Control unit reset</li> <li>- Service interval adjustment</li> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- Contact switch</li> <li>- brake fluid level</li> <li>- Warning lights</li> <li>- Short lights</li> <li>- High beam light</li> <li>- Driver door</li> <li>- Passenger's seat</li> <li>- Rear fog light</li> </ul> </li> </ul>

2008/01 -	K9K 802	1.5	68	Instrument cluster Instrument cluster 3.8	<ul style="list-style-type: none"> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Oil pressure switch</li> <li>- Odometer</li> <li>- Seat belt control light</li> <li>- Service control light</li> <li>- Fog light</li> <li>- Service interval (months)</li> <li>- Remaining time (months)</li> <li>- Parking brake switch</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- Warning lights</li> <li>- Revolution meter</li> <li>- Segment test</li> <li>- Instrument lighting</li> <li>- Warning audio tone emitter</li> <li>- Warning buzzer</li> <li>- Instruments and control lights</li> <li>- Analogue display test</li> </ul>
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**RENAULT** **Kangoo II [FW/KW] - Kangoo II Z.E.**

Year	Engine	Liters	HP	System	Functions
2011/11 -	5AM 400	0.0	60	Instrument cluster Instrument cluster 3.8	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> <li>- Control unit reset</li> <li>- Service interval adjustment</li> <li>- Service interval display reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Mileage</li> <li>- Contact switch</li> <li>- brake fluid level</li> <li>- Warning lights</li> <li>- Short lights</li> <li>- High beam light</li> <li>- Driver door</li> <li>- Passenger's seat</li> <li>- Rear fog light</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Oil pressure switch</li> <li>- Odometer</li> <li>- Seat belt control light</li> <li>- Service control light</li> <li>- Fog light</li> <li>- Service interval (months)</li> <li>- Remaining time (months)</li> <li>- Parking brake switch</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>



- Warning lights
- Revolution meter
- Segment test
- Instrument lighting
- Warning audio tone emitter
- Warning buzzer
- Instruments and control lights
- Analogue display test

**RENAULT Koleos - Koleos 2.5**

Year	Engine	Liters	HP	System	Functions
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2008/09 -	2TR 700	2.5	171	Instrument cluster Instrument cluster 3.9	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Service interval adjustment</li> <li>- Tilt sensor, zero position adaptation</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Fuel consumption</li> <li>- function max revolutions exceeding avoidance</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Tiptronic switch: lower gear engagement</li> <li>- Tiptronic switch: upper gear engagement</li> <li>- Indicating lamp cruise control</li> <li>- Preliminary preheating control lamp</li> <li>- Distance unit</li> <li>- Fuel level in the tank</li> <li>- Tyre inflation monitoring system, pressure monitoring</li> <li>- Driver's seat belt fastener switch</li> <li>- Airbag signal lamp</li> <li>- Odometer</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Service control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Fuel level warning lamp</li> <li>- Oil pressure control lamp</li> <li>- Language</li> <li>- Brakes linings condition indication</li> <li>- Warning buzzer</li> <li>- Two-wheel drive indicator lamp</li> <li>- Vehicle average speed</li> <li>- HDC indicator lamp</li> <li>- Selector lever position</li> <li>- Consumption, units</li> <li>- Service interval, mileage</li> <li>- Meters above sea level</li> <li>- STOP warning lamp</li> <li>- Vehicle speed limitation display</li> <li>- Vehicle longitudinal tilt angle</li> <li>- Vehicle lateral tilt angle</li> <li>- Brake pedal actuation display(start)</li> <li>- ESP control</li> <li>- Parking brake, control light</li> <li>- Parking brake switch</li> <li>- ESP indicator</li> <li>- Internal combustion engine indicator lamp</li> <li>- Four-wheel drive, warning lamp</li> <li>- Remaining distance in km</li> <li>- Turn signal light indication</li> </ul> </li> </ul>
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- Selector lever position Manual

RENAULT					Koleos - Koleos 2.5 4x4	
Year	Engine	Liters	HP	System	Functions	
2008/09 -	2TR 700	2.5	171	Instrument cluster Instrument cluster 3.9	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Service interval adjustment</li> <li>- Tilt sensor, zero position adaptation</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Fuel consumption</li> <li>- function max revolutions exceeding avoidance</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Tiptronic switch: lower gear engagement</li> <li>- Tiptronic switch: upper gear engagement</li> <li>- Indicating lamp cruise control</li> <li>- Preliminary preheating control lamp</li> <li>- Distance unit</li> <li>- Fuel level in the tank</li> <li>- Tyre inflation monitoring system, pressure monitoring</li> <li>- Driver's seat belt fastener switch</li> <li>- Airbag signal lamp</li> <li>- Odometer</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Service control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Fuel level warning lamp</li> <li>- Oil pressure control lamp</li> <li>- Language</li> <li>- Brakes linings condition indication</li> <li>- Warning buzzer</li> <li>- Two-wheel drive indicator lamp</li> <li>- Vehicle average speed</li> <li>- HDC indicator lamp</li> <li>- Selector lever position</li> <li>- Consumption, units</li> <li>- Service interval, mileage</li> <li>- Meters above sea level</li> <li>- STOP warning lamp</li> <li>- Vehicle speed limitation display</li> <li>- Vehicle longitudinal tilt angle</li> <li>- Vehicle lateral tilt angle</li> <li>- Brake pedal actuation display(start)</li> <li>- ESP control</li> <li>- Parking brake, control light</li> <li>- Parking brake switch</li> <li>- ESP indicator</li> <li>- Internal combustion engine indicator lamp</li> <li>- Four-wheel drive, warning lamp</li> <li>- Remaining distance in km</li> <li>- Turn signal light indication</li> <li>- Selector lever position Manual</li> </ul> </li> </ul>	

RENAULT					Koleos - Koleos 2.0 dCi	
Year	Engine	Liters	HP	System	Functions	

2008/09 -	M9R 832	2.0	150	Instrument cluster Instrument cluster 3.9	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Service interval adjustment</li> <li>- Tilt sensor, zero position adaptation</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Fuel consumption</li> <li>- function max revolutions exceeding avoidance</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Tiptronic switch: lower gear engagement</li> <li>- Tiptronic switch: upper gear engagement</li> <li>- Indicating lamp cruise control</li> <li>- Preliminary preheating control lamp</li> <li>- Distance unit</li> <li>- Fuel level in the tank</li> <li>- Tyre inflation monitoring system, pressure monitoring</li> <li>- Driver's seat belt fastener switch</li> <li>- Airbag signal lamp</li> <li>- Odometer</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Service control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Fuel level warning lamp</li> <li>- Oil pressure control lamp</li> <li>- Language</li> <li>- Brakes linings condition indication</li> <li>- Warning buzzer</li> <li>- Two-wheel drive indicator lamp</li> <li>- Vehicle average speed</li> <li>- HDC indicator lamp</li> <li>- Selector lever position</li> <li>- Consumption, units</li> <li>- Service interval, mileage</li> <li>- Meters above sea level</li> <li>- STOP warning lamp</li> <li>- Vehicle speed limitation display</li> <li>- Vehicle longitudinal tilt angle</li> <li>- Vehicle lateral tilt angle</li> <li>- Brake pedal actuation display(start)</li> <li>- ESP control</li> <li>- Parking brake, control light</li> <li>- Parking brake switch</li> <li>- ESP indicator</li> <li>- Internal combustion engine indicator lamp</li> <li>- Four-wheel drive, warning lamp</li> <li>- Remaining distance in km</li> <li>- Turn signal light indication</li> <li>- Selector lever position Manual</li> </ul> </li> </ul>
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**RENAULT** **Koleos - Koleos 2.0 dCi 4x4**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Service interval adjustment</li> <li>- Tilt sensor, zero position adaptation</li> </ul> </li> </ul>

2008/09 -	M9R 833	2.0	150	Instrument cluster Instrument cluster 3.9	<ul style="list-style-type: none"> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Parking brake</li> <li>- Mileage</li> <li>- Coolant temperature</li> <li>- Fuel consumption</li> <li>- function max revolutions exceeding avoidance</li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Tiptronic switch: lower gear engagement</li> <li>- Tiptronic switch: upper gear engagement</li> <li>- Indicating lamp cruise control</li> <li>- Preliminary preheating control lamp</li> <li>- Distance unit</li> <li>- Fuel level in the tank</li> <li>- Tyre inflation monitoring system, pressure monitoring</li> <li>- Driver's seat belt fastener switch</li> <li>- Airbag signal lamp</li> <li>- Odometer</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Service control light</li> <li>- Hi-beam lights, control light</li> <li>- Fog light control lamp</li> <li>- Rear fog lights control lamp</li> <li>- Fuel level warning lamp</li> <li>- Oil pressure control lamp</li> <li>- Language</li> <li>- Brakes linings condition indication</li> <li>- Warning buzzer</li> <li>- Two-wheel drive indicator lamp</li> <li>- Vehicle average speed</li> <li>- HDC indicator lamp</li> <li>- Selector lever position</li> <li>- Consumption, units</li> <li>- Service interval, mileage</li> <li>- Meters above sea level</li> <li>- STOP warning lamp</li> <li>- Vehicle speed limitation display</li> <li>- Vehicle longitudinal tilt angle</li> <li>- Vehicle lateral tilt angle</li> <li>- Brake pedal actuation display(start)</li> <li>- ESP control</li> <li>- Parking brake, control light</li> <li>- Parking brake switch</li> <li>- ESP indicator</li> <li>- Internal combustion engine indicator lamp</li> <li>- Four-wheel drive, warning lamp</li> <li>- Remaining distance in km</li> <li>- Turn signal light indication</li> <li>- Selector lever position Manual</li> </ul> </li> </ul>
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RENAULT					
Master - Master 2.3 dCi					
Year	Engine	Liters	HP	System	Functions
2010/02 -	M9T 670	2.3	100 - 125	Instrument cluster Instrument cluster 3.10	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Oil pressure switch</li> <li>- Odometer</li> <li>- Service interval (months)</li> <li>- Service interval, mileage</li> <li>- Remaining time (months)</li> <li>- Parking brake switch</li> <li>- Remaining distance in km</li> </ul> </li> </ul>

- **Actuators**
- Warning lights
- Revolution meter
- Instrument lighting
- Warning buzzer

**RENAULT Twingo II [CN/GN] - Twingo II 1.2**

Year	Engine	Liters	HP	System	Functions
2007/04 -	D7F 800	1.2	58	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Flashing light</li> <li>- Oil pressure switch</li> <li>- Service control light</li> <li>- On-board computer, button</li> <li>- Service interval (months)</li> <li>- Fuel level gauge</li> <li>- Battery status</li> <li>- STOP warning lamp</li> <li>- Remaining time (months)</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument lighting</li> <li>- Display illumination</li> <li>- Warning audio tone emitter</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Instrument cluster indication lamps</li> <li>- Instrument cluster tweeter</li> </ul> </li> </ul>

**RENAULT Twingo II [CN/GN] - Twingo II 1.2 16V**

Year	Engine	Liters	HP	System	Functions
2007/04	D4F 77...	1.2	76	Instrument cluster	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Flashing light</li> <li>- Oil pressure switch</li> <li>- Service control light</li> <li>- On-board computer, button</li> <li>- Service interval (months)</li> <li>- Fuel level gauge</li> <li>- Battery status</li> </ul> </li> </ul>

-				Instrument cluster 3.6	<ul style="list-style-type: none"> <li>- STOP warning lamp</li> <li>- Remaining time (months)</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument lighting</li> <li>- Display illumination</li> <li>- Warning audio tone emitter</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Instrument cluster indication lamps</li> <li>- Instrument cluster tweeter</li> </ul> </li> </ul>
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**RENAULT Twingo II [CN/GN] - Twingo II 1.2 TCe**

Year	Engine	Liters	HP	System	Functions
2007/04 -	D4F 78...	1.2	101 - 102	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Flashing light</li> <li>- Oil pressure switch</li> <li>- Service control light</li> <li>- On-board computer, button</li> <li>- Service interval (months)</li> <li>- Fuel level gauge</li> <li>- Battery status</li> <li>- STOP warning lamp</li> <li>- Remaining time (months)</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument lighting</li> <li>- Display illumination</li> <li>- Warning audio tone emitter</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Instrument cluster indication lamps</li> <li>- Instrument cluster tweeter</li> </ul> </li> </ul>

**RENAULT Twingo II [CN/GN] - Twingo II 1.5 dCi**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> </ul>

2007/04 -	K9K 740	1.5	64	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Flashing light</li> <li>- Oil pressure switch</li> <li>- Service control light</li> <li>- On-board computer, button</li> <li>- Service interval (months)</li> <li>- Fuel level gauge</li> <li>- Battery status</li> <li>- STOP warning lamp</li> <li>- Remaining time (months)</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument lighting</li> <li>- Display illumination</li> <li>- Warning audio tone emitter</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Instrument cluster indication lamps</li> <li>- Instrument cluster tweeter</li> </ul> </li> </ul>
2010/04 -	K9K 718	1.5	84	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Flashing light</li> <li>- Oil pressure switch</li> <li>- Service control light</li> <li>- On-board computer, button</li> <li>- Service interval (months)</li> <li>- Fuel level gauge</li> <li>- Battery status</li> <li>- STOP warning lamp</li> <li>- Remaining time (months)</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument lighting</li> <li>- Display illumination</li> <li>- Warning audio tone emitter</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Instrument cluster indication lamps</li> <li>- Instrument cluster tweeter</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>

2010/10 -	K9K 820	1.5	75	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Flashing light</li> <li>- Oil pressure switch</li> <li>- Service control light</li> <li>- On-board computer, button</li> <li>- Service interval (months)</li> <li>- Fuel level gauge</li> <li>- Battery status</li> <li>- STOP warning lamp</li> <li>- Remaining time (months)</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument lighting</li> <li>- Display illumination</li> <li>- Warning audio tone emitter</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Instrument cluster indication lamps</li> <li>- Instrument cluster tweeter</li> </ul> </li> </ul>
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**RENAULT** **Twingo II [CN/GN] - Twingo II 1.6 R.S.**

Year	Engine	Liters	HP	System	Functions
2007/07 -	K4M 854	1.6	133	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Flashing light</li> <li>- Oil pressure switch</li> <li>- Service control light</li> <li>- On-board computer, button</li> <li>- Service interval (months)</li> <li>- Fuel level gauge</li> <li>- Battery status</li> <li>- STOP warning lamp</li> <li>- Remaining time (months)</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument lighting</li> <li>- Display illumination</li> <li>- Warning audio tone emitter</li> </ul> </li> </ul>



- Instrument cluster indicator
- Control lights
- Instrument cluster indication lamps
- Instrument cluster tweeter

RENAULT						Wind [E4] - Wind 1.2	
Year	Engine	Liters	HP	System	Functions		
2010/04 -	D4F 78...	1.1	101 - 102	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Flashing light</li> <li>- Oil pressure switch</li> <li>- Service control light</li> <li>- On-board computer, button</li> <li>- Service interval (months)</li> <li>- Fuel level gauge</li> <li>- Battery status</li> <li>- STOP warning lamp</li> <li>- Remaining time (months)</li> <li>- Fuel level sensor</li> <li>- Status Handbrake</li> <li>- Service interval (miles)</li> <li>- Mileage (in miles)</li> <li>- Service interval (km)</li> <li>- Remaining distance (miles)</li> <li>- Remaining distance in km</li> <li>- Side marker lights</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- Instrument lighting</li> <li>- Display illumination</li> <li>- Warning audio tone emitter</li> <li>- Instrument cluster indicator</li> <li>- Control lights</li> <li>- Instrument cluster indication lamps</li> <li>- Instrument cluster tweeter</li> </ul> </li> </ul>		

RENAULT						Wind [E4] - Wind 1.6	
Year	Engine	Liters	HP	System	Functions		
2010/04 -	K4M 854	1.6	133	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Read configuration</li> <li>- Configuration save</li> <li>- Transfer configuration</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Mileage</li> <li>- The ambient temperature</li> <li>- brake fluid level</li> <li>- Flashing light</li> <li>- Oil pressure switch</li> <li>- Service control light</li> <li>- On-board computer, button</li> <li>- Service interval (months)</li> <li>- Fuel level gauge</li> <li>- Battery status</li> <li>- STOP warning lamp</li> </ul> </li> </ul>		

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|  |  |  |  |  | <ul style="list-style-type: none"><li>- Remaining time (months)</li><li>- Fuel level sensor</li><li>- Status Handbrake</li><li>- Service interval (miles)</li><li>- Mileage (in miles)</li><li>- Service interval (km)</li><li>- Remaining distance (miles)</li><li>- Remaining distance in km</li><li>- Side marker lights</li><li>• <b>Actuators</b><ul style="list-style-type: none"><li>- Instrument lighting</li><li>- Display illumination</li><li>- Warning audio tone emitter</li><li>- Instrument cluster indicator</li><li>- Control lights</li><li>- Instrument cluster indication lamps</li><li>- Instrument cluster tweeter</li></ul></li></ul> |
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[Altea Freetrack \[5P5, 5P8\] - Altea Freetrack 2.0 TDI 4WD](#)

[Altea XL \[5P5\] - Altea XL 2.0 TDI](#)

[Altea XL \[5P5\] - Altea XL 1.4](#)

[Altea \[5P1\] - Altea 2.0 TDI](#)

[Altea \[5P1\] - Altea 1.4](#)

[Arosa \[6H1\] - Arosa 1.4 16V](#)

[Cordoba \[6K2\] - Cordoba 1.4](#)

[Cordoba \[6K5\] Vario - Cordoba Vario 1.4](#)

[Cordoba \[6L2\] - Cordoba 1.4](#)

[Ibiza \[6J1\] SC - Ibiza SC 1.4](#)

[Ibiza \[6J5\] - Ibiza 1.4](#)

[Ibiza \[6K1\] - Ibiza 1.4](#)

[Ibiza \[6L1\] - Ibiza 1.4](#)

[Inca \[6K9\] - Inca 1.4](#)

[Leon \[1M1\] - Leon 1.6](#)

[Leon \[1M1\] - Leon 1.4](#)

[Leon \[1P1\] - Leon 2.0 TDI](#)

[Leon \[1P1\] - Leon 1.4](#)

[Toledo \[1L2\] - Toledo 1.6](#)

[Toledo \[1M2\] - Toledo 1.6](#)

[Toledo \[1M2\] - Toledo 1.4](#)

[Toledo \[5P2\] - Toledo 2.0 TDI](#)

[Toledo \[5P2\] - Toledo 1.4](#)

Year	Engine	Liters	HP	System	Functions
2009/03 - 2010/10	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2007/06 - 2009/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> </ul> </li> </ul>

2009/03 - 2010/05	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> <ul style="list-style-type: none"> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2006/10 - 2009/05	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

SEAT Altea XL [5P5] - Altea XL 1.4					
Year	Engine	Liters	HP	System	Functions
2006/10 - 2010/05	BXW	1.4	86	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

SEAT Altea [5P1] - Altea 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> </ul> </li> </ul>

2009/03 - 2010/05	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2005/11 - 2009/03	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

SEAT Altea [5P1] - Altea 1.4					
Year	Engine	Liters	HP	System	Functions
2006/05 - 2010/05	BXW	1.4	86	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

SEAT Arosa [6H1] - Arosa 1.4 16V					
Year	Engine	Liters	HP	System	Functions
1999/05 - 2000/09	AQQ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
2000/09 - 2004/06	AUB	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

1999/01 - 2000/09	AFK	1.4	100	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
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SEAT Cordoba [6K2] - Cordoba 1.4					
Year	Engine	Liters	HP	System	Functions
1999/09 - 2000/06	APE	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
1999/09 - 2000/07	AQQ	1.4	100	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2000/05 - 2002/12	AUA	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test

SEAT Cordoba [6K5] Vario - Cordoba Vario 1.4					
Year	Engine	Liters	HP	System	Functions
1999/05 - 2000/06	APE	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
1999/09 - 2000/07	AQQ	1.4	100	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2000/06 - 2003/08	AUA	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test

SEAT Cordoba [6L2] - Cordoba 1.4					
Year	Engine	Liters	HP	System	Functions
2002/09 - 2004/04	BBY	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2002/10 - 2006/11	BBZ	1.4	100	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2004/05 - 2007/12	BKY	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2006/05 - 2009/11	BXW	1.4	86	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test

SEAT Ibiza [6J1] SC - Ibiza SC 1.4					
Year	Engine	Liters	HP	System	Functions
2008/07 - 2010/05	BXW	1.4	86	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test

SEAT Ibiza [6J5] - Ibiza 1.4					
Year	Engine	Liters	HP	System	Functions
2008/03				Engine control	• <b>Functional tests</b>

- 2011/05	BXW	1.4	86	Marelli 4	- Evaporative emission control functional test
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SEAT Ibiza [6K1] - Ibiza 1.4					
Year	Engine	Liters	HP	System	Functions
1999/05 - 2000/06	APE	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
1999/09 - 2000/07	AQQ	1.4	100	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2000/06 - 2002/05	AUA	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2000/07 - 2002/05	AUB	1.4	100	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test

SEAT Ibiza [6L1] - Ibiza 1.4					
Year	Engine	Liters	HP	System	Functions
2001/09 - 2002/05	AUB	1.4	100	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2002/01 - 2004/04	BBY	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2002/04 - 2009/11	BBZ	1.4	100	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2004/05 - 2007/12	BKY	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2006/05 - 2009/11	BXW	1.4	86	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test

SEAT Inca [6K9] - Inca 1.4					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2003/06	AUA	1.4	75	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test

SEAT Leon [1M1] - Leon 1.6					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2002/04	AZD	1.6	105	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2002/04 - 2006/06	BCB	1.6	105	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test
2000/06 - 2001/04	AUS	1.6	105	Engine control Marelli 4	• <b>Functional tests</b> - Evaporative emission control functional test



SEAT Leon [1M1] - Leon 1.4					
Year	Engine	Liters	HP	System	Functions
1999/12 - 2000/05	APE	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
1999/12 - 2002/05	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

SEAT Leon [1P1] - Leon 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
2009/03 - 2012/12	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2006/05 - 2009/03	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b></li> </ul>

- Diesel particulate filter charge
- Time from last regeneration

SEAT Leon [1P1] - Leon 1.4					
Year	Engine	Liters	HP	System	Functions
2006/06 - 2010/05	BXW	1.4	86	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

SEAT Toledo [1L2] - Toledo 1.6					
Year	Engine	Liters	HP	System	Functions
1992/01 - 1994/07	ABN	1.6	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

SEAT Toledo [1M2] - Toledo 1.6					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2002/04	AZD	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
2002/04 - 2004/07	BCB	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
2000/06 - 2001/04	AUS	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

SEAT Toledo [1M2] - Toledo 1.4					
Year	Engine	Liters	HP	System	Functions
1999/07 - 2002/05	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

SEAT Toledo [5P2] - Toledo 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> </ul>

2009/03 - 2009/05	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2006/01 - 2009/05	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> <li>• <b>Current values</b></li> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul>

SEAT Toledo [5P2] - Toledo 1.4					
Year	Engine	Liters	HP	System	Functions
2006/05 - 2009/05	BXW	1.4	86	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

[Fabia \[5J2\] - Fabia 1.4](#)

[Fabia \[5J5\] Combi - Fabia 1.4 Combi](#)

[Fabia \[6Y2\] Schrägheck - Fabia 1.4](#)

[Fabia \[6Y3\] - Fabia 1.4](#)

[Fabia \[6Y5\] Combi - Fabia 1.4 Combi](#)

[Laura - Laura 2.0 TDI](#)

[Octavia \[1Z3\] - Octavia 2.0 TDI RS](#)

[Octavia \[1Z3\] - Octavia 1.4](#)

[Octavia \[1Z5\] Combi - Octavia 2.0 TDI Combi RS](#)

[Octavia \[1Z5\] Combi - Octavia 1.4 Combi](#)

[Praktik \[5J7\] - Praktik 1.4](#)

[Roomster \[5J7\] - Roomster 1.4](#)

[Superb \[3T4\] - Superb 2.0 TDI](#)

[Superb \[3T4\] - Superb 2.0 TDI 4x4](#)

[Superb \[3T5\] Combi - Superb 2.0 TDI Combi](#)

[Superb \[3T5\] Combi - Superb 2.0 TDI Combi 4x4](#)

[Yeti \[5L7\] - Yeti 2.0 TDI 4x4](#)

[Yeti \[5L7\] - Yeti 2.0 TDI](#)

SKODA Fabia [5J2] - Fabia 1.4					
Year	Engine	Liters	HP	System	Functions
2007/01 - 2010/03	BXW	1.4	86	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

SKODA Fabia [5J5] Combi - Fabia 1.4 Combi					
Year	Engine	Liters	HP	System	Functions
2007/10 - 2010/03	BXW	1.4	86	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

SKODA Fabia [6Y2] Schrägheck - Fabia 1.4					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2004/05	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2000/09 - 2007/04	BBZ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2004/05 - 2007/04	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1999/09 - 2003/08	AUB	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

SKODA Fabia [6Y3] - Fabia 1.4					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2004/05	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2000/09 - 2007/12	BBZ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2004/05 - 2007/12	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1999/09 - 2003/08	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2006/05 - 2007/12	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

SKODA Fabia [6Y5] Combi - Fabia 1.4 Combi					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2004/05	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2000/09 - 2007/12	BBZ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

2004/05 - 2007/12	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2000/09 - 2003/08	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2006/05 - 2007/12	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

SKODA						Laura - Laura 2.0 TDI					
Year	Engine	Liters	HP	System		Functions					
2010/04 -	CBDC	2.0	110	Engine control Diesel EDC 17CP14		<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b></li> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> <li>• <b>Current values</b></li> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>					

SKODA						Octavia [1Z3] - Octavia 2.0 TDI RS					
Year	Engine	Liters	HP	System		Functions					
						<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> </ul>					

2008/05 -	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> <p>• <b>Special functions</b></p> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> <p>• <b>Current values</b></p> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2006/04 - 2008/05	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<p>• <b>Functional tests</b></p> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> <p>• <b>Adjustments / settings</b></p> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> <p>• <b>Current values</b></p> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul>

**SKODA**
**Octavia [1Z3] - Octavia 1.4**

Year	Engine	Liters	HP	System	Functions
2006/05 -	BUD	1.4	80	Engine control Marelli 4	<p>• <b>Functional tests</b></p> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul>
2010/11 -	CGGA	1.4	80	Engine control Marelli 4	<p>• <b>Functional tests</b></p> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul>

**SKODA**
**Octavia [1Z5] Combi - Octavia 2.0 TDI Combi RS**

Year	Engine	Liters	HP	System	Functions
					<p>• <b>Functional tests</b></p> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> <p>• <b>Adjustments / settings</b></p> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> </ul>

2008/05 -	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learning operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2006/04 - 2008/05	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

**SKODA Octavia [1Z5] Combi - Octavia 1.4 Combi**

Year	Engine	Liters	HP	System	Functions
2006/05 -	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
2010/11 -	CGGA	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

**SKODA Praktik [5J7] - Praktik 1.4**

Year	Engine	Liters	HP	System	Functions
2007/03 - 2010/03	BXW	1.4	86	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>



SKODA Roomster [5J7] - Roomster 1.4					
Year	Engine	Liters	HP	System	Functions
2006/05 - 2010/03	BXW	1.4	86	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

SKODA Superb [3T4] - Superb 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
2008/06 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

SKODA Superb [3T4] - Superb 2.0 TDI 4x4					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> </ul> </li> </ul>

2008/09 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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**SKODA Superb [3T5] Combi - Superb 2.0 TDI Combi**

Year	Engine	Liters	HP	System	Functions
2009/09 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> </ul> </li> </ul>

- Swirl flap actuator 2, feedback
- Engine start: start synchronisation
- Transmission mounting 1
- Transmission mounting 2
- ACC: Torque requested
- DPF impact limit, overloaded
- DPF impact limit Self-regeneration
- DPF impact limit Service regeneration
- DPF differential pressure sensor offset
- No.of learning operations NMK 25 MPa
- No.of learning operations NMK 80 MPa
- No.of learnng. operations NMK 120 MPa
- Lambda sensor (B1, S1) pump voltage

**SKODA Superb [3T5] Combi - Superb 2.0 TDI Combi 4x4**

Year	Engine	Liters	HP	System	Functions
2009/09 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

**SKODA Yeti [5L7] - Yeti 2.0 TDI 4x4**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> </ul> </li> </ul>

2009/05 - 2009/11	CBDB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learning operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2009/11 -	CFHC	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2010/05	CFJA	2.0	170	<p>Engine control Diesel EDC 17CP14</p>	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> </ul> </li> </ul>

2009/11 - 2010/05	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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<b>SKODA</b>	<b>Yeti [5L7] - Yeti 2.0 TDI</b>
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Year	Engine	Liters	HP	System	Functions
2009/11 -	CFHA	2.0	110	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> </ul> </li> </ul>

- |  |  |  |  |  |   |
|--|--|--|--|--|---|
|  |  |  |  |  | <ul style="list-style-type: none"><li>- DPF impact limit Service regeneration</li><li>- DPF differential pressure sensor offset</li><li>- No.of learning operations NMK 25 MPa</li><li>- No.of learning operations NMK 80 MPa</li><li>- No.of learnng. operations NMK 120 MPa</li><li>- Lambda sensor (B1, S1) pump voltage</li></ul> |
|--|--|--|--|--|---|

[C30 - C30 1.6](#)

[C30 - C30 1.8](#)

[C30 - C30 2.0](#)

[C30 - C30 2.4i](#)

[C30 - C30 T5](#)

[C30 - C30 1.6D DRIVe](#)

[C30 - C30 2.0D](#)

[C30 - C30 D5](#)

[C30 - C30 1.8 F Flexifuel](#)

[C30 - C30 2.0 F Flexifuel](#)

[C30 - C30 D2 DRIVe](#)

[C30 - C30 D3](#)

[C30 - C30 D4](#)

[C30 - C30 Electric](#)

[C70 Coupe - C70 2.0 T Coupe](#)

[C70 Coupe - C70 2.5 LPT Coupe](#)

[C70 Coupe - C70 2.3 T5 Coupe](#)

[C70 Coupe - C70 2.4 20V Coupe](#)

[C70 Coupe - C70 2.4 T Coupe](#)

[C70 Coupe - C70 2.5 20V Coupe](#)

[C70 I Cabrio - C70 I 2.0 T Cabrio](#)

[C70 I Cabrio - C70 I 2.3 T5 Cabrio](#)

[C70 I Cabrio - C70 I 2.4 T5 Cabrio](#)

[C70 I Cabrio - C70 I 2.4 T Cabrio](#)

[C70 I Cabrio - C70 I 2.4 Cabrio](#)

[C70 II - C70 II 2.4](#)

[C70 II - C70 II 2.4i](#)

[C70 II - C70 II T5](#)

[C70 II - C70 II D5](#)

[C70 II - C70 II 2.4D](#)

[C70 II - C70 II D3](#)

[C70 II - C70 II D4](#)

[S40 II - S40 II 2.4](#)

[S40 II - S40 II 2.5 T5](#)

[S40 II - S40 II 2.0D](#)

[S40 II - S40 II 1.6D DRIVe](#)

[S40 II - S40 II 1.8](#)

[S40 II - S40 II 1.6](#)

[S40 II - S40 II 2.5 T5 AWD](#)

[S40 II - S40 II D5](#)

[S40 II - S40 II 1.8 F Flexifuel](#)

[S40 II - S40 2.4](#)

[S40 II - S40 2.5 T5](#)

[S40 II - S40 II 2.4i](#)

[S40 II - S40 II 2.0](#)

[S40 II - S40 II 2.0 F Flexifuel](#)

[S40 II - S40 II D2](#)

[S40 II - S40 II D3](#)

[S40 II - S40 II D4](#)

[S60 I - S60 I 2.3 T5](#)



[S60 I - S60 I 2.4](#)

[S60 I - S60 I 2.4 T](#)

[S60 I - S60 I 2.0 T](#)

[S60 I - S60 I 2.4D](#)

[S60 I - S60 I 2.4 T AWD](#)

[S60 I - S60 I 2.4 Bi-Fuel CNG](#)

[S60 I - S60 I 2.4 Bi-Fuel LPG](#)

[S60 I - S60 I R AWD](#)

[S60 I - S60 I 2.5 T AWD](#)

[S60 I - S60 I 2.5 T](#)

[S60 I - S60 I 2.4 T5](#)

[S60 I - S60 I D5](#)

[S60 I - S60 I D](#)

[S60 II - S60 II 2.0T](#)

[S60 II - S60 II D3](#)

[S60 II - S60 II D5](#)

[S60 II - S60 II D5 AWD](#)

[S60 II - S60 II T6 AWD](#)

[S60 II - S60 II T3](#)

[S60 II - S60 II T4](#)

[S60 II - S60 II T5](#)

[S60 II - S60 II DRIVe](#)

[S60 II - S60 II T4F](#)

[S60 II - S60 II 2.5T5](#)

[S60 II - S60 II D4](#)

[S60 II - S60 II 2.0T4](#)

[S60 II - S60 II 2.0T5](#)

[S70 - S70 2.0](#)

[S70 - S70 2.5](#)

[S70 - S70 2.5 20V](#)

[S70 - S70 2.3 T-5](#)

[S70 - S70 TDI](#)

[S70 - S70 2.0 T](#)

[S70 - S70 R 2.3 T](#)

[S70 - S70 2.3](#)

[S70 - S70 2.5 T](#)

[S70 - S70 2.5 T AWD](#)

[S70 - S70 2.5 Bifuel](#)

[S70 - S70 2.4](#)

[S70 - S70 2.0 T 20V](#)

[S70 - S70 2.4 AWD](#)

[S70 - S70 2.0 T AWD](#)

[S80 - S80 2.3i T](#)

[S80 I - S80 I 2.4 Bi-Fuel LPG](#)

[S80 I - S80 I 2.4](#)

[S80 I - S80 I D5](#)

[S80 I - S80 I 2.4 T4 Bi-Fuel CNG](#)

[S80 I - S80 I 2.4D](#)

[S80 I - S80 I 3.0](#)

[S80 I - S80 I 3.0 T6](#)

[S80 I - S80 I 2.0T](#)

[S80 I - S80 I 2.5 AWD](#)

[S80 I - S80 I 2.5](#)

[S80 I - S80 I 2.3R](#)

[S80 I - S80 I 2.4T](#)

[S80 I - S80 I 2.8 T6](#)

[S80 I - S80 I 2.0T5](#)

[S80 I - S80 I 2.9](#)

[S80 I - S80 I 2.5 TDI](#)

[S80 I - S80 I 2.0 T](#)

[S80 I - S80 I 2.4T AWD](#)

[S80 II - S80 II D5](#)

[S80 II - S80 II 2.4D](#)

[S80 II - S80 II V8 AWD](#)

[S80 II - S80 II 2.5T](#)

[S80 II - S80 II 3.2](#)

[S80 II - S80 II 3.2 AWD](#)

[S80 II - S80 II T6 AWD](#)

[S80 II - S80 II D5 AWD](#)

[S80 II - S80 II 2.0B](#)

[S80 II - S80 II 2.0 F Flexifuel](#)

[S80 II - S80 II 2.0D](#)

[S80 II - S80 II 2.5 FT Flexifuel](#)

[S80 II - S80 II 1.6D DRIVe](#)

[S80 II - S80 II 2.5 FT Flexifuel](#)

[S80 II - S80 II 2.0T](#)

[S80 II - S80 II T5](#)

[S80 II - S80 II T4](#)

[S80 II - S80 II D3](#)

[S80 II - S80 II 3.0T](#)

[S80 II - S80 II T4F](#)

[S80 II - S80 II D4](#)

[S80 II - S80 II DRIVe](#)

[V40 CROSS COUNTRY - V40 1.6 T4 CROSS COUNTRY](#)

[V40 CROSS COUNTRY - V40 2.0 T5 CROSS COUNTRY](#)

[V40 CROSS COUNTRY - V40 2.0 T5 AWD CROSS COUNTRY](#)

[V40 CROSS COUNTRY - V40 2.5 T5 CROSS COUNTRY](#)

[V40 CROSS COUNTRY - V40 2.5 T5 AWD CROSS COUNTRY](#)

[V40 CROSS COUNTRY - V40 1.6 D2 CROSS COUNTRY](#)

[V40 CROSS COUNTRY - V40 2.0 D3 CROSS COUNTRY](#)

[V40 CROSS COUNTRY - V40 2.0 D4 CROSS COUNTRY](#)

[V40 CROSS COUNTRY - V40 2.0 T4 CROSS COUNTRY](#)

[V40 I - V40 I 1.9D](#)

[V40 I - V40 I 1.8 16V](#)

[V40 I - V40 I 2.0 T](#)

[V40 I - V40 I 2.0 T4](#)

[V40 I - V40 I 1.6 16V](#)

[V40 I - V40 I 2.0 16V](#)

[V40 I - V40 I 2.0 16V T](#)

[V40 I - V40 I 1.9 T4](#)

[V40 I - V40 I T4](#)

[V40 II - V40 II T3](#)

[V40 II - V40 II T4](#)

[V40 II - V40 II D2](#)

[V40 II - V40 II D3](#)  
[V40 II - V40 II D4](#)  
[V40 II - V40 II T5](#)  
[V50 - V50 T5](#)  
[V50 - V50 2.4](#)  
[V50 - V50 2.4i](#)  
[V50 - V50 2.0D](#)  
[V50 - V50 1.6D DRIVe](#)  
[V50 - V50 1.8](#)  
[V50 - V50 1.6](#)  
[V50 - V50 T5 AWD](#)  
[V50 - V50 D5](#)  
[V50 - V50 1.8 F Flexifuel](#)  
[V50 - V50 2.0](#)  
[V50 - V50 D2 DRIVe](#)  
[V50 - V50 D3](#)  
[V50 - V50 D4](#)  
[V60 - V60 2.0T](#)  
[V60 - V60 T6 AWD](#)  
[V60 - V60 D3](#)  
[V60 - V60 D5](#)  
[V60 - V60 T3](#)  
[V60 - V60 T4](#)  
[V60 - V60 T5](#)  
[V60 - V60 D5 AWD](#)  
[V60 - V60 DRIVe](#)  
[V60 - V60 T4F](#)  
[V60 - V60 D4](#)  
[V60 - V60 D4 AWD](#)  
[V70 - V70 2.3i](#)  
[V70 - V70 R 2.3 AWD](#)  
[V70 I - V70 I 2.0](#)  
[V70 I - V70 I 2.5](#)  
[V70 I - V70 I 2.5 20V](#)  
[V70 I - V70 I T-5](#)  
[V70 I - V70 I 2.5 TDI](#)  
[V70 I - V70 I 2.0 Turbo](#)  
[V70 I - V70 I 2.5 T AWD](#)  
[V70 I - V70 I 2.3R](#)  
[V70 I - V70 I 2.3](#)  
[V70 I - V70 I 2.5 T](#)  
[V70 I - V70 I R 2.3 AWD](#)  
[V70 I - V70 I 2.5 T XC AWD](#)  
[V70 I - V70 I 2.5 BI-FUEL](#)  
[V70 I - V70 I 2.5 AWD](#)  
[V70 I - V70 I 2.4](#)  
[V70 I - V70 I T-5 AWD](#)  
[V70 I - V70 I 2.0 AWD Turbo](#)  
[V70 I - V70 I 2.0 T 20V](#)  
[V70 I - V70 I 2.5 T XC](#)  
[V70 I - V70 I 2.3 AWD](#)  
[V70 I - V70 I XC AWD](#)

[V70 I - V70 I 2.5T](#)  
[V70 II - V70 II 2.0 T](#)  
[V70 II - V70 II 2.4 T](#)  
[V70 II - V70 II 2.3 T5](#)  
[V70 II - V70 II 2.4](#)  
[V70 II - V70 II 2.4D](#)  
[V70 II - V70 II 2.5 BI-FUEL CNG](#)  
[V70 II - V70 II 2.5 BI-FUEL LPG](#)  
[V70 II - V70 II 2.5 T AWD](#)  
[V70 II - V70 II 2.4D AWD](#)  
[V70 II - V70 II R 2.5 T AWD](#)  
[V70 II - V70 II 2.5 T](#)  
[V70 II - V70 II 2.4 T5](#)  
[V70 II - V70 II 2.3](#)  
[V70 II - V70 II XC AWD](#)  
[V70 II - V70 II 2.5D](#)  
[V70 II - V70 II D5](#)  
[V70 II - V70 II D5 AWD](#)  
[V70 II - V70 II 2.4 T AWD](#)  
[V70 III - V70 III 3.2](#)  
[V70 III - V70 III 2.5 T](#)  
[V70 III - V70 III T6 AWD](#)  
[V70 III - V70 III 2.4D](#)  
[V70 III - V70 III D5](#)  
[V70 III - V70 III 3.2 AWD](#)  
[V70 III - V70 III D5 AWD](#)  
[V70 III - V70 III 2.0 F Flexifuel](#)  
[V70 III - V70 III 2.0B](#)  
[V70 III - V70 III 2.0D](#)  
[V70 III - V70 III 2.5 FT Flexifuel](#)  
[V70 III - V70 III 1.6D DRIVe](#)  
[V70 III - V70 III 2.5 FT Flexifuel](#)  
[V70 III - V70 III 2.0 T](#)  
[V70 III - V70 III D3](#)  
[V70 III - V70 III T5](#)  
[V70 III - V70 III T4](#)  
[V70 III - V70 III 1.6 D DRIVe](#)  
[V70 III - V70 III T4F](#)  
[V70 III - V70 III 2.0 D4](#)  
[V70 III - V70 III 2.0 T5](#)  
[V70 III - V70 III D4 AWD](#)  
[XC60 - XC60 D5 AWD](#)  
[XC60 - XC60 2.4D AWD](#)  
[XC60 - XC60 T6 AWD](#)  
[XC60 - XC60 2.4D DRIVe](#)  
[XC60 - XC60 3.2 AWD](#)  
[XC60 - XC60 3.2](#)  
[XC60 - XC60 2.0T](#)  
[XC60 - XC60 D3 DRIVe](#)  
[XC60 - XC60 T5](#)  
[XC60 - XC60 D4 AWD](#)  
[XC60 - XC60 D3](#)

[XC60 - XC60 D4](#)  
[XC70 I - XC70 I 2.5T AWD](#)  
[XC70 I - XC70 I 2.4D AWD](#)  
[XC70 I - XC70 I 2.4T AWD](#)  
[XC70 I - XC70 I 2.3T AWD](#)  
[XC70 I - XC70 I D5 AWD](#)  
[XC70 II - XC70 II D5 AWD](#)  
[XC70 II - XC70 II 3.2 AWD](#)  
[XC70 II - XC70 II 2.4D AWD](#)  
[XC70 II - XC70 II T6 AWD](#)  
[XC70 II - XC70 II 2.4D DRIVe](#)  
[XC70 II - XC70 II D3 DRIVe](#)  
[XC70 II - XC70 II 3.2 2WD](#)  
[XC70 II - XC70 II D3 AWD](#)  
[XC90 - XC90 2.5T AWD](#)  
[XC90 - XC90 T6 AWD](#)  
[XC90 - XC90 D5 AWD](#)  
[XC90 - XC90 2.5T FWD](#)  
[XC90 - XC90 V8 AWD](#)  
[XC90 - XC90 3.2 AWD](#)  
[XC90 - XC90 3.2 FWD](#)  
[XC90 - XC90 D3 FWD](#)  
[XC90 - XC90 T5 AWD](#)

Year	Engine	Liters	HP	System	Functions
2006/10 -	B4164S3	1.6	100	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> </ul> </li> </ul>

2006/10 - 2010/07	B4184S11	1.8	125	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
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**VOLVO C30 - C30 2.0**

Year	Engine	Liters	HP	System	Functions
2006/10 -	B4204S3	2.0	145	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

VOLVO					C30 - C30 2.4i
Year	Engine	Liters	HP	System	Functions
2006/10 - 2010/07	B5244S4	2.4	170	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

VOLVO					C30 - C30 T5
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> </ul> </li> </ul>



2006/10 - 2007/07	B5254T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
2007/08 -	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul> </li></ul>

Year	Engine	Liters	HP	System	Functions
2006/10 - 2011/07	D4164T...	1.6	109	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO C30 - C30 2.0D**

Year	Engine	Liters	HP	System	Functions
2006/10 -	D4204T	2.0	136	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> </ul> </li> </ul>

2010/09					<ul style="list-style-type: none"> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
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2006/10 - 2007/07	D4204T2	2.0	131	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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**VOLVO C30 - C30 D5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>
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2006/10 - 2010/07	D5244T9	2.4	163	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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**VOLVO** **C30 - C30 1.8 F Flexifuel**

Year	Engine	Liters	HP	System	Functions
2006/10 - 2010/07	B4184S8	1.8	125	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> </ul> </li> </ul>

- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Trailer turn sign. indicators, warning light
- CVT: Torque converter clutch
- Red warning lamp
- Fuel level warning lamp
- Engine operating time inspection interval
- Inspection interval (mileage)
- Inspection interval (time)
- Gong
- Days since last incpection
- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO** **C30 - C30 2.0 F Flexifuel**

Year	Engine	Liters	HP	System	Functions
2009/08 -	B4204S4	2.0	146	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last incpection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO** **C30 - C30 D2 DRIVe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

2010/08 -	D4162T	1.6	114	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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**VOLVO** **C30 - C30 D3**

Year	Engine	Liters	HP	System	Functions
2010/08 -	D5204T5	2.0	150	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> </ul> </li> </ul>

- Hi-beam lights, control light
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Trailer turn sign. indicators, warning light
- CVT: Torque converter clutch
- Red warning lamp
- Fuel level warning lamp
- Engine operating time inspection interval
- Inspection interval (mileage)
- Inspection interval (time)
- Gong
- Days since last inspection
- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO C30 - C30 D4**

Year	Engine	Liters	HP	System	Functions
2010/08 -	D5204T	2.0	177	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO C30 - C30 Electric**

Year	Engine	Liters	HP	System	Functions
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2011/08 -	E400V1	0.0	112	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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**VOLVO C70 Coupe - C70 2.0 T Coupe**

Year	Engine	Liters	HP	System	Functions
1997/01 - 1998/07	B5204T2	2.0	180	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> </ul> </li> </ul>



					<ul style="list-style-type: none"> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
1997/01 - 2000/07	B 5204 T3	2.0	225	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
1999/08 - 2002/07	B 5204 T4	2.0	163	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>

- All displays and control lights

VOLVO C70 Coupe - C70 2.5 LPT Coupe					
Year	Engine	Liters	HP	System	Functions
1998/01 - 1999/07	B5254T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

VOLVO C70 Coupe - C70 2.3 T5 Coupe					
Year	Engine	Liters	HP	System	Functions
1997/09 - 2002/07	B5234T3	2.3	240	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> </ul> </li> </ul>

- TCS/ESP OFF warning light
- Fuel flow rate
- **Actuators**
- All displays and control lights

VOLVO C70 Coupe - C70 2.4 20V Coupe					
Year	Engine	Liters	HP	System	Functions
1999/03 - 2000/07	B5244S	2.4	165	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

VOLVO C70 Coupe - C70 2.4 T Coupe					
Year	Engine	Liters	HP	System	Functions
1999/08 - 2002/07	B5244T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> </ul> </li> </ul>

- Fuel level warning lamp
- Vehicle speed signal
- Status Diagnosis
- TCS/ESP OFF warning light
- Fuel flow rate
- **Actuators**
- All displays and control lights

**VOLVO C70 Coupe - C70 2.5 20V Coupe**

Year	Engine	Liters	HP	System	Functions
1999/03 - 2000/07	B5254S	2.4	170	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO C70 I Cabrio - C70 I 2.0 T Cabrio**

Year	Engine	Liters	HP	System	Functions
				Instrument cluster	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> </ul> </li> </ul>

1999/08 - 2006/03	B5204T4	2.0	163	Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
				Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
1998/03 - 1998/07	B5204T2	2.0	180	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> </ul>

					<ul style="list-style-type: none"> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
1998/08 - 2000/07	B5204T3	2.0	226	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO** **C70 I Cabrio - C70 I 2.3 T5 Cabrio**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> </ul> </li> </ul>

2002/08 - 2006/03	B5234T9	2.3	245	<p>Instrument cluster Instrument cluster 9.12.1</p>	<ul style="list-style-type: none"> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
				<p>Instrument cluster Instrument cluster 9.12.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
1998/08				<p>Instrument cluster</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> </ul>

- 2002/07	B5234T3	2.3	240	Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
1998/02 - 2002/07	B5234T3	2.3	240	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO**
**C70 I Cabrio - C70 I 2.4 T5 Cabrio**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> </ul> </li> </ul>



2002/08 - 2006/03	B5244T7	2.4	200	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> <ul style="list-style-type: none"> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
				Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO** **C70 I Cabrio - C70 I 2.4 T Cabrio**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> </ul>

1998/08 - 1999/07	B5254T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
1999/08 - 2002/07	B5244T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO**

**C70 | Cabrio - C70 | 2.4 Cabrio**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Engine revolution</li> </ul>

1999/03 - 2000/07	B5244S	2.4	140 - 170	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
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VOLVO C70 II - C70 II 2.4					
Year	Engine	Liters	HP	System	Functions
2006/03 - 2010/07	B5244S5	2.4	140	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

Year	Engine	Liters	HP	System	Functions
2006/03 - 2010/07	B5244S4	2.4	170	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> </ul> </li> </ul>

2006/03 - 2007/07	B5254T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
2007/08 -	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>

VOLVO

C70 II - C70 II D5

Year	Engine	Liters	HP	System	Functions
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2006/08 - 2010/07	D5244T8...	2.4	180	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last incpection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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**VOLVO C70 II - C70 II 2.4D**

Year	Engine	Liters	HP	System	Functions
2006/08 - 2010/07	D5244T9	2.4	163	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> </ul> </li> </ul>

- ASR/ESP control light
- Hi-beam lights, control light
- Rear fog lights control lamp
- Right direction indicator control light
- Left direction indicator control light
- Trailer turn sign. indicators, warning light
- CVT: Torque converter clutch
- Red warning lamp
- Fuel level warning lamp
- Engine operating time inspection interval
- Inspection interval (mileage)
- Inspection interval (time)
- Gong
- Days since last inspection
- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO C70 II - C70 II D3**

Year	Engine	Liters	HP	System	Functions
2010/10 -	D5204T5	2.0	150	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO C70 II - C70 II D4**

Year	Engine	Liters	HP	System	Functions
2010/10 -	D5204T	2.0	177	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO** **S40 II - S40 II 2.4**

Year	Engine	Liters	HP	System	Functions
2003/12 -	B5244S4	2.4	170	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> </ul> </li> </ul>



2010/07					<ul style="list-style-type: none"> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
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**VOLVO S40 II - S40 II 2.5 T5**

Year	Engine	Liters	HP	System	Functions
2003/12 - 2007/07	B5254T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

2007/08 -	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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<b>VOLVO</b>	<b>S40 II - S40 II 2.0D</b>
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Year	Engine	Liters	HP	System	Functions
2004/01 - 2010/07	D4204T	2.0	136	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last incpection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> <p><b>• Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
2004/04 - 2007/07	D4204T2	2.0	131	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li><b>• Error memory</b></li> <li><b>• Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last incpection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li><b>• Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO S40 II - S40 II 1.6D DRIVe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li><b>• Identification</b></li> <li><b>• Clear errors</b></li> <li><b>• Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> </ul> </li> </ul>

2004/11 -	D4164T...	1.6	109 - 110	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Interval inspection reset</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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**VOLVO** **S40 II - S40 II 1.8**

Year	Engine	Liters	HP	System	Functions
2004/04 - 2010/07	B4184S11	1.8	125	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> </ul> </li> </ul>

- CVT: Torque converter clutch
- Red warning lamp
- Fuel level warning lamp
- Engine operating time inspection interval
- Inspection interval (mileage)
- Inspection interval (time)
- Gong
- Days since last inspection
- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO S40 II - S40 II 1.6**

Year	Engine	Liters	HP	System	Functions
2004/11 -	B4164S3	1.6	101	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO S40 II - S40 II 2.5 T5 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> </ul> </li> </ul>

2004/04 - 2007/07	B5254T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
2007/08 - 2010/07	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> </ul> </li> </ul>

- Inspection interval (mileage)
- Inspection interval (time)
- Gong
- Days since last inspection
- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO** **S40 II - S40 II D5**

Year	Engine	Liters	HP	System	Functions
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2006/03 - 2010/07	D5244T8...	2.4	180	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> </ul> </li> </ul>
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2006/04 - 2010/07	D5244T9	2.4	163	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
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**VOLVO** **S40 II - S40 II 1.8 F Flexifuel**

Year	Engine	Liters	HP	System	Functions
2006/04 - 2010/07	B4184S8	1.8	125	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> </ul> </li> </ul>



- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

VOLVO S40 II - S40 2.4					
Year	Engine	Liters	HP	System	Functions
2003/12 -	B 5244 S4	2.4	170	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

VOLVO S40 II - S40 2.5 T5					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> </ul> </li> </ul>

2003/12 -	B 5254 T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
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**VOLVO** **S40 II - S40 II 2.4i**

Year	Engine	Liters	HP	System	Functions
2005/08 - 2010/07	B5244S7	2.4	170	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> </ul> </li> </ul>

- Days since last inspection
- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO S40 II - S40 II 2.0**

Year	Engine	Liters	HP	System	Functions
2006/10 -	B4204S3	2.0	145	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO S40 II - S40 II 2.0 F Flexifuel**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> </ul> </li> </ul>

2009/08 -	B4204S4	2.0	146	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
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**VOLVO** **S40 II - S40 II D2**

Year	Engine	Liters	HP	System	Functions
2011/08 -	D4162T	1.6	114	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> </ul> </li> </ul>

- Gong
- Days since last inspection
- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO S40 II - S40 II D3**

Year	Engine	Liters	HP	System	Functions
2010/08 -	D5204T5	2.0	150	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO S40 II - S40 II D4**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> </ul> </li> </ul>

2010/08 -	D5204T	2.0	177	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
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**VOLVO S60 I - S60 I 2.3 T5**

Year	Engine	Liters	HP	System	Functions
2000/11 - 2004/03	B5234T3	2.3	200 - 265	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

Airbag  
Airbag 8.3

- Vehicle driving speed
- Passenger compartment temperature
- The ambient temperature
- Control unit power supply
- Kilometer reading
- Vehicle model
- Side airbag ignition circuit, window, rear left
- Side airbag ignition circuit, window, rear right
- Ignition circuit, safety seat belt straining, central rear
- Driver's seat belt fastener switch
- passenger's seat belt fastener switch
- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre -load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO**

**S60 I - S60 I 2.4**

Year	Engine	Liters	HP	System	Functions
2000/11 - 2009/07	B5244S2	2.4	140	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
2002/11 - 2006/08	B5244S6	2.4	167	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **S60 I - S60 I 2.4 T**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>
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2000/11 - 2003/07	B5244T3	2.4	200	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> </ul> </li> </ul>

2003/08 - 2006/07	B5244T4	2.4	180 - 220		<ul style="list-style-type: none"> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO**
**S60 I - S60 I 2.0 T**

Year	Engine	Liters	HP	System	Functions
2000/11 - 2009/07	B5204T5	2.0	179	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> </ul>

Airbag  
Airbag 8.3

- **Error memory**
- **Current values**
  - Vehicle driving speed
  - Passenger compartment temperature
  - The ambient temperature
  - Control unit power supply
  - Kilometer reading
  - Vehicle model
  - Side airbag ignition circuit, window, rear left
  - Side airbag ignition circuit, window, rear right
  - Ignition circuit, safety seat belt straining, central rear
  - Driver's seat belt fastener switch
  - passenger's seat belt fastener switch
  - Control variant
  - Wgt sen. seat occupancy fro. pass.
  - Ignition circuit pre -load device 3 row left
  - Ignition circuit pre-load device 3 row right
  - Airbag control unit
  - Key switch, passenger side airbag
  - Status passenger side airbag
  - Ignition circuit, seat belt straightener, rear left:
  - Ignition circuit, seat belt straightener, rear right:

**VOLVO S60 I - S60 I 2.4D**

Year	Engine	Liters	HP	System	Functions
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2001/08 - 2006/07	D5244T	2.4	163	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
2001/12 - 2006/07	D5244T2	2.4	130	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

2003/08 - 2005/07	D5244T3	2.4	116	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
2006/08 - 2009/07	D5244T5	2.4	163	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> </ul>

- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO S60 I - S60 I 2.4 T AWD**

Year	Engine	Liters	HP	System	Functions
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2001/11 - 2003/07	B5244T3	2.4	200	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> </ul> </li> </ul>
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2003/08 - 2006/07	B5244T4	2.4	220	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **S60 I - S60 I 2.4 Bi-Fuel CNG**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> </ul> </li> </ul>

2002/06 - 2008/07	B5244SG	2.4	140		<ul style="list-style-type: none"> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **S60 I - S60 I 2.4 Bi-Fuel LPG**

Year	Engine	Liters	HP	System	Functions
2002/06 - 2008/07	B5244SG2	2.4	140	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> </ul> </li> </ul>



				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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**VOLVO S60 I - S60 I R AWD**

Year	Engine	Liters	HP	System	Functions
2003/03 - 2007/07	B5254T4	2.5	300	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> </ul> </li> </ul>

- Driver's seat belt fastener switch
- passenger's seat belt fastener switch
- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre-load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO** **S60 I - S60 I 2.5 T AWD**

Year	Engine	Liters	HP	System	Functions
2004/04 - 2009/07	B5254T2	2.5	209 - 210	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
2004/04 - 2009/07	B5254T2	2.5	209 - 210	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

2004/04 - 2009/07	B5244T5	2.4	260	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>

**VOLVO** **S60 I - S60 I D5**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> </ul>

2005/08 - 2009/07	D5244T4	2.4	185		<ul style="list-style-type: none"> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO**
**S60 I - S60 I D**

Year	Engine	Liters	HP	System	Functions
2005/08 - 2009/07	D5244T7	2.4	126	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
2005/08 - 2006/07	D5244T6	2.4	122	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> </ul> </li> </ul>

- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre-load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO** **S60 II - S60 II 2.0T**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> </ul> </li> </ul>
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2010/08  
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B4204T6

2.0

203

Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position



- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> <li>- Left temperature control motor</li> <li>- Right temperature control motor</li> <li>- Front seat heating timer</li> </ul> </li> </ul>

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D5204T2

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163

Heating / Air conditioner  
Automatic A/C 3.0

- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5

- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left

- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED

2012/08

D5204T7

2.0

136

Heating / Air conditioner  
Automatic A/C 3.0

- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on

- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO** **S60 II - S60 II D5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> </ul> </li> </ul>
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- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating



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D5244T10

2.4

205

Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell

- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right

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Heating / Air conditioner  
Automatic A/C 3.0

- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button

- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0

- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO**

**S60 II - S60 II D5 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6

- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp

- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7



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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation

- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> <li>- Left temperature control motor</li> <li>- Right temperature control motor</li> <li>- Front seat heating timer</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5

- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

VOLVO					S60 II - S60 II T3	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> </ul>	

- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual
  - Rear right seat heating: specified temperature
  - Rear left seat heating: specified temperature

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B4164T3

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Heating / Air conditioner  
Automatic A/C 3.0

- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system

- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **S60 II - S60 II T4**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> </ul> </li> </ul>
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- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal

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Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner

- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **S60 II - S60 II T5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> </ul> </li> </ul>
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- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat

2010/11 -	B4204T7	2.0	241	Heating / Air conditioner Automatic A/C 3.0	<ul style="list-style-type: none"> <li>- Menu key</li> <li>- EXIT/CLEAR button</li> <li>- AUTO button LED</li> <li>- SOUND button</li> <li>- Cornering lights</li> <li>- LED rear window heating button</li> <li>- Button [#]</li> <li>- Right arrow button</li> <li>- Down arrow button</li> <li>- Left arrow button</li> <li>- Air distribution flaps servomotor</li> <li>- Directional stability assistant</li> <li>- Reversing camera</li> <li>- Function button 1</li> <li>- Function button 2</li> <li>- Function button 3</li> <li>- Function button 4</li> <li>- Function button 5</li> <li>- Function button 6</li> <li>- Button 1</li> <li>- Button 2</li> <li>- Button 3</li> <li>- Button 4</li> <li>- Button 5</li> <li>- Button 6</li> <li>- Button 1 status</li> <li>- Button 2 status</li> <li>- Button 3 status</li> <li>- Automatic heated rear window</li> <li>- Left temperature flap actual position</li> <li>- Front left backrest ventilation</li> <li>- Right temperature flap actual position</li> <li>- Right temperature flap specified position</li> <li>- Front right backrest ventilation</li> <li>- Tuning button</li> <li>- Front right seat heating LED button 3</li> <li>- Front right seat heating LED button 2</li> <li>- Front right seat heating LED button 1</li> <li>- LED function button 2</li> <li>- LED function button 1</li> <li>- LED function button 3</li> <li>- LED function button 4</li> <li>- LED function button 5</li> <li>- LED function button 6</li> <li>- Visual accident warning system</li> <li>- Left seat ventilation LED switch 1</li> <li>- Left seat ventilation LED switch 2</li> <li>- Left seat ventilation LED switch 3</li> <li>- Right seat ventilation LED switch 1</li> <li>- Right seat ventilation LED switch 2</li> <li>- Right seat ventilation LED switch 3</li> <li>- Additional lighting</li> <li>- Blind spot warning system</li> <li>- Bi-fuel</li> <li>- Front left seat heating LED button 3</li> <li>- Front left seat heating LED button 1</li> <li>- Front left seat heating LED button 2</li> <li>- LED AC button on</li> <li>- LED AC button off</li> <li>- Fresh/recirculated-air button LED</li> <li>- Number of cold zone activation operations</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- air conditioner</li> <li>- Folding head restraints</li> <li>- Rear window heating</li> <li>- Air distribution: defrost</li> <li>- Air distribution: footwell</li> <li>- Air distribution: ventilation</li> <li>- Seat ventilation, front left</li> <li>- Seat ventilation, front right seat</li> <li>- Seat heating, front left</li> <li>- Seat heating, front right</li> <li>- Park distance control</li> </ul> </li> </ul>
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- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S60 II - S60 II DRIVe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button

- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4



- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO**

**S60 II - S60 II T4F**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1

- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode

- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S60 II - S60 II 2.5T5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> </ul> </li> </ul>
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2011/08  
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2012/07

B5254T5

2.5

254

Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position

- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation

- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button

2012/08	B5254T12	2.5	254	Heating / Air conditioner Automatic A/C 3.0	<ul style="list-style-type: none"> <li>- CAM button</li> <li>- Humidity sensor status</li> <li>- Air quality sensor fault information</li> <li>- Rear folding head restraint button</li> <li>- Automatic air recirculation button LED</li> <li>- LED button air recirculation, manual</li> <li>- Rear right seat heating: specified temperature</li> <li>- Rear left seat heating: specified temperature</li> <li>- Required position air distribution flap</li> <li>- LED button AC</li> <li>- LED air circulation button</li> <li>- LED defrost button</li> <li>- Upward air distribution button LED</li> <li>- Downward air distribut. button LED</li> <li>- Center air distribution button LED</li> <li>- Left seat, ventilation switch</li> <li>- Right seat, ventilation switch</li> <li>- Air quality sensor, signal</li> <li>- Seat heating, left, button</li> <li>- Seat heating, right, button</li> <li>- Rear right seat heating button</li> <li>- Rear seat heating</li> <li>- Seat heating, front left</li> <li>- Seat heating, front right</li> <li>- Seat heating, rear left</li> <li>- Seat heating, rear right</li> <li>- Seat ventilation, front left</li> <li>- Seat ventilation, front right seat</li> <li>- Menu key</li> <li>- EXIT/CLEAR button</li> <li>- AUTO button LED</li> <li>- SOUND button</li> <li>- Cornering lights</li> <li>- LED rear window heating button</li> <li>- Button [#]</li> <li>- Right arrow button</li> <li>- Down arrow button</li> <li>- Left arrow button</li> <li>- Air distribution flaps servomotor</li> <li>- Directional stability assistant</li> <li>- Reversing camera</li> <li>- Function button 1</li> <li>- Function button 2</li> <li>- Function button 3</li> <li>- Function button 4</li> <li>- Function button 5</li> <li>- Function button 6</li> <li>- Button 1</li> <li>- Button 2</li> <li>- Button 3</li> <li>- Button 4</li> <li>- Button 5</li> <li>- Button 6</li> <li>- Button 1 status</li> <li>- Button 2 status</li> <li>- Button 3 status</li> <li>- Automatic heated rear window</li> <li>- Left temperature flap actual position</li> <li>- Front left backrest ventilation</li> <li>- Right temperature flap actual position</li> <li>- Right temperature flap specified position</li> <li>- Front right backrest ventilation</li> <li>- Tuning button</li> <li>- Front right seat heating LED button 3</li> <li>- Front right seat heating LED button 2</li> <li>- Front right seat heating LED button 1</li> <li>- LED function button 2</li> <li>- LED function button 1</li> <li>- LED function button 3</li> <li>- LED function button 4</li> <li>- LED function button 5</li> <li>- LED function button 6</li> <li>- Visual accident warning system</li> </ul>
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- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO S60 II - S60 II D4**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>
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• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap

2011/08

D5204T3

2.0

163

Heating / Air conditioner  
Automatic A/C 3.0

- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel

- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO** **S60 II - S60 II 2.0T4**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> </ul> </li> </ul>

- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button

2012/08

B5204T8

2.0

180

Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints

- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S60 II - S60 II 2.0T5**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> </ul> </li> </ul>

- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key



2012/08

B5204T9

2.0

214

Heating / Air conditioner  
Automatic A/C 3.0

- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED

- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S70 - S70 2.0**

Year	Engine	Liters	HP	System	Functions
1997/01 - 1999/07	B5202 S	2.0	126	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> </ul> </li> </ul>

1997/01 - 1998/07	B 5204 S	2.0	143	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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**VOLVO S70 - S70 2.5**

Year	Engine	Liters	HP	System	Functions
1997/01 - 1999/07	B5252S	2.4	144	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO S70 - S70 2.5 20V**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

1997/01 - 1999/07	B5254S	2.4	165	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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<b>VOLVO S70 - S70 2.3 T-5</b>					
Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/07	B5234T3	2.3	240	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/07	D5252T	2.5	140	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO S70 - S70 2.0 T**

Year	Engine	Liters	HP	System	Functions
1998/08 - 2000/07	B 5204 T3	2.0	226	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

1997/01 - 1998/07	B5204T	2.0	210	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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<b>VOLVO S70 - S70 R 2.3 T</b>					
Year	Engine	Liters	HP	System	Functions
1997/01 - 1998/07	B5234T4	2.3	250	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
1997/01 - 1998/07	B5234T2	2.3	218	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
1997/01 - 1999/07	B5234S	2.3	163	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>

1998/08 - 2000/07	B5234T7	2.3	190	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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**VOLVO** **S70 - S70 2.5 T**

Year	Engine	Liters	HP	System	Functions
1997/01 - 1999/07	B5254T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO** **S70 - S70 2.5 T AWD**

Year	Engine	Liters	HP	System	Functions
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1998/08 - 1999/07	B5254T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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<b>VOLVO S70 - S70 2.5 Bifuel</b>					
Year	Engine	Liters	HP	System	Functions
1998/08 - 1999/07	GB5252S	2.4	144	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
1999/08 - 2000/07	B5244S2	2.4	140	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
1999/01 - 2000/07	B5244T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
1998/08 - 2000/07	B5204T4	2.0	163	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

VOLVO S70 - S70 2.4 AWD					
Year	Engine	Liters	HP	System	Functions
1999/08 - 2000/07	B5244S	2.4	170	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

1999/01 - 2000/07	B5244T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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<b>VOLVO S70 - S70 2.0 T AWD</b>					
Year	Engine	Liters	HP	System	Functions
1998/08 - 2000/07	B5204T3	2.0	226	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
2000/07 -	B5204	2.3	239	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> </ul> </li> </ul>

2001/08 - 2006/07	B5244SG2	2.4	140	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **S80 I - S80 I 2.4**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> </ul> </li> </ul>
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1998/08 - 2006/07	B5244S	2.4	170		<ul style="list-style-type: none"> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

<b>VOLVO</b>	<b>S80 I - S80 I D5</b>
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Year	Engine	Liters	HP	System	Functions
2001/08 - 2006/07	D5244T	2.4	163	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> </ul> </li> </ul>

				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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**VOLVO** **S80 I - S80 I 2.4 T4 Bi-Fuel CNG**

Year	Engine	Liters	HP	System	Functions
2001/08 - 2006/07	B5244SG	2.4	140	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> </ul> </li> </ul>



- Driver's seat belt fastener switch
- passenger's seat belt fastener switch
- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre-load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

VOLVO					S80 I - S80 I 2.4D	
Year	Engine	Liters	HP	System	Functions	
2001/10 - 2006/07	D5244T2	2.4	130	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>	
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>	

Year	Engine	Liters	HP	System	Functions
2001/08 - 2006/07	B6294S2	2.9	196	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

2001/08 - 2006/07	B6294T	2.9	272	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>

**VOLVO** **S80 I - S80 I 2.0T**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> </ul>

1999/08 - 2006/07	B5204T5	2.0	180		<ul style="list-style-type: none"> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
1998/08 - 2000/07	B5204T4	2.0	163	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **S80 I - S80 I 2.5 AWD**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>
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2003/08 - 2006/07	B5254T2	2.5	210	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **S80 I - S80 I 2.5**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> </ul> </li> </ul>

2003/08 - 2006/07	B5254T2	2.5	210		<ul style="list-style-type: none"> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **S80 I - S80 I 2.3R**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> </ul> </li> </ul>

2000/04 - 2005/07	B5234T7	2.3	200 - 265	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>- Ignition circuit, seat belt straightener, rear right:</li> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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**VOLVO** **S80 I - S80 I 2.4T**

Year	Engine	Liters	HP	System	Functions
2003/08 - 2006/07	B5244T4	2.4	179 - 220	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> </ul> </li> </ul>

				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
2000/08 - 2003/07	B5244T3	2.4	200	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **S80 I - S80 I 2.8 T6**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> </ul> </li> </ul>
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2001/08 - 2004/12	B6284T	2.8	272		<ul style="list-style-type: none"> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
1998/05 - 2001/07	B6284 T	2.8	272	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> </ul> </li> </ul>

1998/06 - 2001/07	B6284T	2.8	272	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
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<b>VOLVO</b>	<b>S80 I - S80 I 2.0T5</b>
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Year	Engine	Liters	HP	System	Functions
1998/08 - 2000/07	B5204T3	2.0	226	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

<b>VOLVO</b>	<b>S80 I - S80 I 2.9</b>
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Year	Engine	Liters	HP	System	Functions
1998/06 - 1999/07	B6304S3	2.9	204	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
1998/08 - 1999/07	B6304 S3	2.9	204	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
1999/08 - 2001/07	B6294S	2.9	200	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **S80 I - S80 I 2.5 TDI**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>
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1998/08 - 2001/07	D5252T	2.5	140	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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VOLVO						S80 I - S80 I 2.0 T	
Year	Engine	Liters	HP	System	Functions		
1998/08 - 2000/07	B5204T4	2.0	163	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>		

VOLVO						S80 I - S80 I 2.4T AWD	
Year	Engine	Liters	HP	System	Functions		
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> </ul> </li> </ul>		

2000/08 - 2003/07	B5244T3	2.4	200	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
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<b>VOLVO</b>	<b>S80 II - S80 II D5</b>
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> </ul> </li> </ul>

2006/03  
-  
2009/07

D5244T4

2.4

185

Heating / Air conditioner  
Automatic A/C 3.0

- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4

- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function

- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*



2008/11  
-  
2011/07

D5244T10

2.4

205

Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1

- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual
  - Rear right seat heating: specified temperature
  - Rear left seat heating: specified temperature

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Heating / Air conditioner  
Automatic A/C 3.0

- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system

- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S80 II - S80 II 2.4D**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> </ul> </li> </ul>
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- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch

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Heating / Air conditioner  
Automatic A/C 3.0

- Air quality sensor, signal
  - Seat heating, left, button
  - Seat heating, right, button
  - Rear right seat heating button
  - Rear seat heating
  - Seat heating, front left
  - Seat heating, front right
  - Seat heating, rear left
  - Seat heating, rear right
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Menu key
  - EXIT/CLEAR button
  - AUTO button LED
  - SOUND button
  - Cornering lights
  - LED rear window heating button
  - Button [#]
  - Right arrow button
  - Down arrow button
  - Left arrow button
  - Air distribution flaps servomotor
  - Directional stability assistant
  - Reversing camera
  - Function button 1
  - Function button 2
  - Function button 3
  - Function button 4
  - Function button 5
  - Function button 6
  - Button 1
  - Button 2
  - Button 3
  - Button 4
  - Button 5
  - Button 6
  - Button 1 status
  - Button 2 status
  - Button 3 status
  - Automatic heated rear window
  - Left temperature flap actual position
  - Front left backrest ventilation
  - Right temperature flap actual position
  - Right temperature flap specified position
  - Front right backrest ventilation
  - Tuning button
  - Front right seat heating LED button 3
  - Front right seat heating LED button 2
  - Front right seat heating LED button 1
  - LED function button 2
  - LED function button 1
  - LED function button 3
  - LED function button 4
  - LED function button 5
  - LED function button 6
  - Visual accident warning system
  - Left seat ventilation LED switch 1
  - Left seat ventilation LED switch 2
  - Left seat ventilation LED switch 3
  - Right seat ventilation LED switch 1
  - Right seat ventilation LED switch 2
  - Right seat ventilation LED switch 3
  - Additional lighting
  - Blind spot warning system
  - Bi-fuel
  - Front left seat heating LED button 3
  - Front left seat heating LED button 1
  - Front left seat heating LED button 2
  - LED AC button on
  - LED AC button off
  - Fresh/recirculated-air button LED
  - Number of cold zone activation operations
- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto



- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button

- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button

- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **S80 II - S80 II V8 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera

- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button

- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **S80 II - S80 II 2.5T**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> </ul> </li> </ul>
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200

Heating / Air conditioner  
Automatic A/C 3.0

- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4

- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function



- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*

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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1

- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual
  - Rear right seat heating: specified temperature
  - Rear left seat heating: specified temperature

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Heating / Air conditioner  
Automatic A/C 3.0

- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system

- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S80 II - S80 II 3.2**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> </ul> </li> </ul>
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- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch

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Heating / Air conditioner  
Automatic A/C 3.0

- Air quality sensor, signal
  - Seat heating, left, button
  - Seat heating, right, button
  - Rear right seat heating button
  - Rear seat heating
  - Seat heating, front left
  - Seat heating, front right
  - Seat heating, rear left
  - Seat heating, rear right
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Menu key
  - EXIT/CLEAR button
  - AUTO button LED
  - SOUND button
  - Cornering lights
  - LED rear window heating button
  - Button [#]
  - Right arrow button
  - Down arrow button
  - Left arrow button
  - Air distribution flaps servomotor
  - Directional stability assistant
  - Reversing camera
  - Function button 1
  - Function button 2
  - Function button 3
  - Function button 4
  - Function button 5
  - Function button 6
  - Button 1
  - Button 2
  - Button 3
  - Button 4
  - Button 5
  - Button 6
  - Button 1 status
  - Button 2 status
  - Button 3 status
  - Automatic heated rear window
  - Left temperature flap actual position
  - Front left backrest ventilation
  - Right temperature flap actual position
  - Right temperature flap specified position
  - Front right backrest ventilation
  - Tuning button
  - Front right seat heating LED button 3
  - Front right seat heating LED button 2
  - Front right seat heating LED button 1
  - LED function button 2
  - LED function button 1
  - LED function button 3
  - LED function button 4
  - LED function button 5
  - LED function button 6
  - Visual accident warning system
  - Left seat ventilation LED switch 1
  - Left seat ventilation LED switch 2
  - Left seat ventilation LED switch 3
  - Right seat ventilation LED switch 1
  - Right seat ventilation LED switch 2
  - Right seat ventilation LED switch 3
  - Additional lighting
  - Blind spot warning system
  - Bi-fuel
  - Front left seat heating LED button 3
  - Front left seat heating LED button 1
  - Front left seat heating LED button 2
  - LED AC button on
  - LED AC button off
  - Fresh/recirculated-air button LED
  - Number of cold zone activation operations
- **Actuators**



- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto

- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button

- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button

- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **S80 II - S80 II 3.2 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera

- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button

- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1

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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status



- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button

- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **S80 II - S80 II T6 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1

- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual
  - Rear right seat heating: specified temperature
  - Rear left seat heating: specified temperature

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3.0

305

Heating / Air conditioner  
Automatic A/C 3.0

- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system

- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S80 II - S80 II D5 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> </ul> </li> </ul>

- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch



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185

Heating / Air conditioner  
Automatic A/C 3.0

- Air quality sensor, signal
  - Seat heating, left, button
  - Seat heating, right, button
  - Rear right seat heating button
  - Rear seat heating
  - Seat heating, front left
  - Seat heating, front right
  - Seat heating, rear left
  - Seat heating, rear right
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Menu key
  - EXIT/CLEAR button
  - AUTO button LED
  - SOUND button
  - Cornering lights
  - LED rear window heating button
  - Button [#]
  - Right arrow button
  - Down arrow button
  - Left arrow button
  - Air distribution flaps servomotor
  - Directional stability assistant
  - Reversing camera
  - Function button 1
  - Function button 2
  - Function button 3
  - Function button 4
  - Function button 5
  - Function button 6
  - Button 1
  - Button 2
  - Button 3
  - Button 4
  - Button 5
  - Button 6
  - Button 1 status
  - Button 2 status
  - Button 3 status
  - Automatic heated rear window
  - Left temperature flap actual position
  - Front left backrest ventilation
  - Right temperature flap actual position
  - Right temperature flap specified position
  - Front right backrest ventilation
  - Tuning button
  - Front right seat heating LED button 3
  - Front right seat heating LED button 2
  - Front right seat heating LED button 1
  - LED function button 2
  - LED function button 1
  - LED function button 3
  - LED function button 4
  - LED function button 5
  - LED function button 6
  - Visual accident warning system
  - Left seat ventilation LED switch 1
  - Left seat ventilation LED switch 2
  - Left seat ventilation LED switch 3
  - Right seat ventilation LED switch 1
  - Right seat ventilation LED switch 2
  - Right seat ventilation LED switch 3
  - Additional lighting
  - Blind spot warning system
  - Bi-fuel
  - Front left seat heating LED button 3
  - Front left seat heating LED button 1
  - Front left seat heating LED button 2
  - LED AC button on
  - LED AC button off
  - Fresh/recirculated-air button LED
  - Number of cold zone activation operations
- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto

- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button

- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button

- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button

2011/08

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Heating / Air conditioner  
Automatic A/C 3.0

- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6

- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp

- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **S80 II - S80 II 2.0B**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> </ul> </li> </ul>
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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status

- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button

- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

VOLVO					S80 II - S80 II 2.0 F Flexifuel	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> </ul> </li> </ul>	

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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1

- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

<b>VOLVO</b>	<b>S80 II - S80 II 2.0D</b>			
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Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>
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- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information

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Heating / Air conditioner  
Automatic A/C 3.0

- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3

- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO S80 II - S80 II 2.5 FT Flexifuel**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> </ul> </li> </ul>



- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED

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Heating / Air conditioner  
Automatic A/C 3.0

- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on

- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO S80 II - S80 II 1.6D DRIVe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> </ul> </li> </ul>

- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left

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Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation

- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S80 II - S80 II 2.5 FT Flexifuel**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights

- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3



- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **S80 II - S80 II 2.0T**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> </ul> </li> </ul>
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203

Heating / Air conditioner  
Automatic A/C 3.0

- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2

- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button

- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **S80 II - S80 II T5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> </ul> </li> </ul>
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240

Heating / Air conditioner  
Automatic A/C 3.0

- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6

- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button

- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S80 II - S80 II T4**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> </ul> </li> </ul>
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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button



- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> <li>- Left temperature control motor</li> <li>- Right temperature control motor</li> <li>- Front seat heating timer</li> <li>- Rear seat heating timer</li> <li>- MY CAR button</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system

- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature

- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED

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Heating / Air conditioner  
Automatic A/C 3.0

- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED

- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps

- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button



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Heating / Air conditioner  
Automatic A/C 3.0

- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5

- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S80 II - S80 II 3.0T**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> </ul> </li> </ul>

2009/03

B6304T

3.0

286

Heating / Air conditioner  
Automatic A/C 3.0

- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant

- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9

- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S80 II - S80 II T4F**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> </ul> </li> </ul>
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2011/08

B4164T2

1.6

180

Heating / Air conditioner  
Automatic A/C 3.0

- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3

- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button

- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO S80 II - S80 II D4**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> </ul> </li> </ul>



2012/08

D5204T3

2.0

163

Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position

- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> <li>- Left temperature control motor</li> </ul> </li> </ul>

2011/08

D4162T

1.6

115

Heating / Air conditioner  
Automatic A/C 3.0

- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3

- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO V40 CROSS COUNTRY - V40 1.6 T4 CROSS COUNTRY**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> </ul> </li> </ul>
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- Air conditioner control unit programming
- Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual

2013/01  
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B4164T

1.6

180

Heating / Air conditioner  
Automatic A/C 3.0

- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3

- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO V40 CROSS COUNTRY - V40 2.0 T5 CROSS COUNTRY**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> </ul> </li> </ul>



- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch

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Heating / Air conditioner  
Automatic A/C 3.0

- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**
- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO**

**V40 CROSS COUNTRY - V40 2.0 T5 AWD CROSS COUNTRY**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> </ul> </li> </ul>

- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right

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Heating / Air conditioner  
Automatic A/C 3.0

- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left

- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO V40 CROSS COUNTRY - V40 2.5 T5 CROSS COUNTRY**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button

- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1



- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO V40 CROSS COUNTRY - V40 2.5 T5 AWD CROSS COUNTRY**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5

- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button

- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO V40 CROSS COUNTRY - V40 1.6 D2 CROSS COUNTRY**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> </ul> </li> </ul>
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2013/01  
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D4162T

1.6

114

Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status

- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button

- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

VOLVO						V40 CROSS COUNTRY - V40 2.0 D3 CROSS COUNTRY					
Year	Engine	Liters	HP	System		Functions					
						<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> </ul> </li> </ul>					

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D5204T6

2.0

150

Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1



- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO V40 CROSS COUNTRY - V40 2.0 D4 CROSS COUNTRY**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>
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- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information

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D5204T4

2.0

177

Heating / Air conditioner  
Automatic A/C 3.0

- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3

- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO V40 CROSS COUNTRY - V40 2.0 T4 CROSS COUNTRY**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> </ul> </li> </ul>

- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED

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B5204T8

2.0

180

Heating / Air conditioner  
Automatic A/C 3.0

- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on

- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO V40 I - V40 I 1.9D**

Year	Engine	Liters	HP	System	Functions
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1998/08					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> </ul> </li> </ul>
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- 2000/07	D4192T2	1.9	95	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
2000/03 - 2004/04	D4192T4/DI	1.9	102	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO**

**V40 I - V40 I 1.8 16V**

Year	Engine	Liters	HP	System	Functions
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• **Identification**



1999/08 - 2004/04	B4184S2	1.8	122	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
2000/08 - 2004/04	B4184SJ	1.8	122	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
1999/04 - 2004/06	B4184S10	1.8	122	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO**
**V40 I - V40 I 2.0 T**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Last check kilometers</li> </ul>

2001/08 - 2004/04	B4204T3	1.9	163	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
2000/08 - 2001/07	B4204T3	2.0	165	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> </ul> </li> </ul>

- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO** **V40 I - V40 I 2.0 T4**

Year	Engine	Liters	HP	System	Functions
2000/08 - 2004/04	B4204T5	2.0	200	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO** **V40 I - V40 I 1.6 16V**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> </ul> </li> </ul>

1999/08 - 2004/04	B4164S2	1.6	109	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
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**VOLVO** **V40 I - V40 I 2.0 16V**

Year	Engine	Liters	HP	System	Functions
1999/08 - 2004/04	B4204S2	2.0	136	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> </ul> </li> </ul>

- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
  - All displays and control lights

VOLVO					V40 I - V40 I 2.0 16V T	
Year	Engine	Liters	HP	System	Functions	
1999/08 - 2000/07	B4204T2	1.9	160	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>	

VOLVO					V40 I - V40 I 1.9 T4	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> </ul> </li> </ul>	

1999/08 - 2000/07	B4194T2	1.9	200	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
2000/08 - 2002/12	B4194T2	1.9	200	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> </ul>

- All displays and control lights

VOLVO V40 I - V40 I T4					
Year	Engine	Liters	HP	System	Functions
2002/09 - 2004/08	B4204T4	1.9	172	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

VOLVO V40 II - V40 II T3					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> </ul> </li> </ul>



- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button

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Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints

- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V40 II - V40 II T4**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> </ul> </li> </ul>
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- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key

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Heating / Air conditioner  
Automatic A/C 3.0

- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED

- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V40 II - V40 II D2**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> </ul> </li> </ul>
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Heating / Air conditioner  
Automatic A/C 3.0

- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor

- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8



- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V40 II - V40 II D3**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2

- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum

- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V40 II - V40 II D4**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> </ul> </li> </ul>
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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation

- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> <li>- Left temperature control motor</li> </ul> </li> </ul>

2013/03

B5254T12

2.5

254

Heating / Air conditioner  
Automatic A/C 3.0

- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
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- Air distribution flaps servomotor
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- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3



- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V50 - V50 T5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> </ul> </li> </ul>
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2004/04 - 2007/07	B5254T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
2007/08 - 2012/12	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> </ul> </li> </ul>

- Engine operating time inspection interval
- Inspection interval (mileage)
- Inspection interval (time)
- Gong
- Days since last inspection
- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO** **V50 - V50 2.4**

Year	Engine	Liters	HP	System	Functions
2004/04 - 2010/07	B5244S5	2.4	140	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO** **V50 - V50 2.4i**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

2004/04 - 2010/07	B5244S4	2.4	170 - 170	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
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**VOLVO** **V50 - V50 2.0D**

Year	Engine	Liters	HP	System	Functions
2004/04 - 2010/07	D4204T	2.0	136	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> </ul>

					<ul style="list-style-type: none"> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
2004/04 - 2007/07	D4204T2	2.0	131	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO** **V50 - V50 1.6D DRIVE**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> </ul>

2004/11 - 2010/07	D4164T...	1.6	109 - 110	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
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**VOLVO** **V50 - V50 1.8**

Year	Engine	Liters	HP	System	Functions
2004/04 - 2010/07	B4184S11	1.8	125	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> </ul> </li> </ul>

- Gong
- Days since last inspection
- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO** **V50 - V50 1.6**

Year	Engine	Liters	HP	System	Functions
2005/01 - 2012/12	B4164S3	1.6	100	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO** **V50 - V50 T5 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> </ul> </li> </ul>

2004/04 - 2007/07	B5254T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
2007/08 - 2010/08	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> </ul> </li> </ul>



- Parking brake, control light
- **Actuators**
- All displays and control lights

VOLVO						V50 - V50 D5					
Year	Engine	Liters	HP	System		Functions					
2006/04 - 2010/07	D5244T8...	2.4	180	Instrument cluster Instrument cluster 9.12.1		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>					

VOLVO						V50 - V50 1.8 F Flexifuel					
Year	Engine	Liters	HP	System		Functions					
						<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> </ul> </li> </ul>					

2006/04 - 2010/07	B4184S8	1.8	125	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
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**VOLVO** **V50 - V50 2.0**

Year	Engine	Liters	HP	System	Functions
2006/10 - 2012/12	B4204S3	2.0	145	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> </ul> </li> </ul>

- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO V50 - V50 D2 DRIVe**

Year	Engine	Liters	HP	System	Functions
2011/08 - 2012/12	D4162T	1.6	114	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO V50 - V50 D3**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> </ul> </li> </ul>

2010/08 - 2012/12	D5204T5	2.0	150	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> <li>- Tires pressure, control light</li> <li>- Airbag warning light, status</li> <li>- Parking brake, control light</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
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**VOLVO** **V50 - V50 D4**

Year	Engine	Liters	HP	System	Functions
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2010/08 - 2012/12	D5204T	2.0	177	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Interval inspection reset</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Last check kilometers</li> <li>- Total run</li> <li>- Driving speed</li> <li>- Engine revolution</li> <li>- Cruise control</li> <li>- switch (contact) parking brake (HAS)</li> <li>- Warming up control lamp</li> <li>- brake fluid level</li> <li>- Fuel level in the tank</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Seat belt control light</li> <li>- Airbag warning lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- ASR/ESP control light</li> <li>- Hi-beam lights, control light</li> <li>- Rear fog lights control lamp</li> <li>- Right direction indicator control light</li> <li>- Left direction indicator control light</li> <li>- Trailer turn sign. indicators, warning light</li> <li>- CVT: Torque converter clutch</li> <li>- Red warning lamp</li> <li>- Fuel level warning lamp</li> <li>- Engine operating time inspection interval</li> <li>- Inspection interval (mileage)</li> <li>- Inspection interval (time)</li> <li>- Gong</li> <li>- Days since last inspection</li> </ul> </li> </ul>
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- Tires pressure, control light
- Airbag warning light, status
- Parking brake, control light
- **Actuators**
- All displays and control lights

**VOLVO V60 - V60 2.0T**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> </ul> </li> </ul>
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2010/09  
-  
2011/08

B4204T6

2.0

203

Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3

- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> <li>- Left temperature control motor</li> <li>- Right temperature control motor</li> <li>- Front seat heating timer</li> <li>- Rear seat heating timer</li> <li>- MY CAR button</li> </ul> </li> </ul>



2010/09	B6304T4	3.0	305	Heating / Air conditioner Automatic A/C 3.0	<ul style="list-style-type: none"> <li>- CAM button</li> <li>- Humidity sensor status</li> <li>- Air quality sensor fault information</li> <li>- Rear folding head restraint button</li> <li>- Automatic air recirculation button LED</li> <li>- LED button air recirculation, manual</li> <li>- Rear right seat heating: specified temperature</li> <li>- Rear left seat heating: specified temperature</li> <li>- Required position air distribution flap</li> <li>- LED button AC</li> <li>- LED air circulation button</li> <li>- LED defrost button</li> <li>- Upward air distribution button LED</li> <li>- Downward air distribut. button LED</li> <li>- Center air distribution button LED</li> <li>- Left seat, ventilation switch</li> <li>- Right seat, ventilation switch</li> <li>- Air quality sensor, signal</li> <li>- Seat heating, left, button</li> <li>- Seat heating, right, button</li> <li>- Rear right seat heating button</li> <li>- Rear seat heating</li> <li>- Seat heating, front left</li> <li>- Seat heating, front right</li> <li>- Seat heating, rear left</li> <li>- Seat heating, rear right</li> <li>- Seat ventilation, front left</li> <li>- Seat ventilation, front right seat</li> <li>- Menu key</li> <li>- EXIT/CLEAR button</li> <li>- AUTO button LED</li> <li>- SOUND button</li> <li>- Cornering lights</li> <li>- LED rear window heating button</li> <li>- Button [#]</li> <li>- Right arrow button</li> <li>- Down arrow button</li> <li>- Left arrow button</li> <li>- Air distribution flaps servomotor</li> <li>- Directional stability assistant</li> <li>- Reversing camera</li> <li>- Function button 1</li> <li>- Function button 2</li> <li>- Function button 3</li> <li>- Function button 4</li> <li>- Function button 5</li> <li>- Function button 6</li> <li>- Button 1</li> <li>- Button 2</li> <li>- Button 3</li> <li>- Button 4</li> <li>- Button 5</li> <li>- Button 6</li> <li>- Button 1 status</li> <li>- Button 2 status</li> <li>- Button 3 status</li> <li>- Automatic heated rear window</li> <li>- Left temperature flap actual position</li> <li>- Front left backrest ventilation</li> <li>- Right temperature flap actual position</li> <li>- Right temperature flap specified position</li> <li>- Front right backrest ventilation</li> <li>- Tuning button</li> <li>- Front right seat heating LED button 3</li> <li>- Front right seat heating LED button 2</li> <li>- Front right seat heating LED button 1</li> <li>- LED function button 2</li> <li>- LED function button 1</li> <li>- LED function button 3</li> <li>- LED function button 4</li> <li>- LED function button 5</li> <li>- LED function button 6</li> <li>- Visual accident warning system</li> </ul>
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- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V60 - V60 D3**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>
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- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC

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Heating / Air conditioner  
Automatic A/C 3.0

- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3

- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch

- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left

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Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat

- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V60 - V60 D5**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> </ul> </li> </ul>



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Heating / Air conditioner  
Automatic A/C 3.0

- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button

- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2

- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button

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2.4

215

Heating / Air conditioner  
Automatic A/C 3.0

- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2

- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum

- Function: MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V60 - V60 T3**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> </ul> </li> </ul>
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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation

- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player



Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> <li>- Left temperature control motor</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3

- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V60 - V60 T5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> </ul> </li> </ul>
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- Air conditioner control unit programming
- Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual

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Heating / Air conditioner  
Automatic A/C 3.0

- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3

- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V60 - V60 D5 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> </ul> </li> </ul>

- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch

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Heating / Air conditioner  
Automatic A/C 3.0

- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations



• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps

- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED

- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]

- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V60 - V60 DRIVe**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant

- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9

- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V60 - V60 T4F**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> </ul> </li> </ul>
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Heating / Air conditioner  
Automatic A/C 3.0

- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3



- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button

- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO V60 - V60 D4**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position

- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> <li>- Left temperature control motor</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3

- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 - V70 2.3i**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> </ul> </li> </ul>
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1998/07	B5234T3	2.3	209	<p>Instrument cluster Instrument cluster 9.12.3</p>	<ul style="list-style-type: none"> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> </ul> </li> </ul>



- Driver's seat belt fastener switch
- passenger's seat belt fastener switch
- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre-load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO** **V70 - V70 R 2.3 AWD**

Year	Engine	Liters	HP	System	Functions
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				Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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1999/09 - 2000/08	B5234T3	2.3	236	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
			Airbag Airbag 8.3		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

<b>VOLVO</b>	<b>V70 I - V70 I 2.0</b>
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Year	Engine	Liters	HP	System	Functions
1997/01 - 1999/07	B5202FS	2.0	127	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>

1997/01 - 2000/03	B5204S	2.0	143	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
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**VOLVO** **V70 I - V70 I 2.5**

Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/03	B5252S	2.4	144	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO** **V70 I - V70 I 2.5 20V**

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Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/03	B5254S	2.4	165	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

VOLVO V70 I - V70 I T-5					
Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/03	B5234T3	2.3	240	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

## VOLVO

## V70 I - V70 I 2.5 TDI

Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/03	D5252T	2.5	140	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

## VOLVO

## V70 I - V70 I 2.0 Turbo

Year	Engine	Liters	HP	System	Functions
1997/01 - 1999/07	B5204T3	2.0	226	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Fuel flow rate</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
1997/01 - 2000/03	B5204T	2.0	211	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>
1997/01 - 1998/07	B5204T2	2.0	180	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/03	B5254T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

VOLVO V70 I - V70 I 2.3R					
Year	Engine	Liters	HP	System	Functions
1997/01 - 1998/07	B5234T4	2.3	250	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

## VOLVO

## V70 I - V70 I 2.3

Year	Engine	Liters	HP	System	Functions
1997/01 - 1998/07	B5234T2	2.3	218	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

## VOLVO

## V70 I - V70 I 2.5 T

Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/03	B5254T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> </ul> </li> </ul>



- Fuel flow rate
- **Actuators**
  - All displays and control lights

VOLVO						V70 I - V70 I R 2.3 AWD					
Year	Engine	Liters	HP	System		Functions					
1997/08 - 1998/07	B5234T4	2.3	250	Instrument cluster Instrument cluster 9.12.3		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>					

VOLVO						V70 I - V70 I 2.5 T XC AWD					
Year	Engine	Liters	HP	System		Functions					
1997/01 - 2000/03	B5254T	2.4	193	Instrument cluster Instrument cluster 9.12.3		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> </ul> </li> </ul>					

- Vehicle speed signal
- Status Diagnosis
- TCS/ESP OFF warning light
- Fuel flow rate
- **Actuators**
- All displays and control lights

**VOLVO** **V70 I - V70 I 2.5 BI-FUEL**

Year	Engine	Liters	HP	System	Functions
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1997/08 - 1999/07	GB5252S	2.4	140	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>
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1999/08 - 2000/03	GB5244SG	2.4	140	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> </ul> </li> </ul>
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- TCS/ESP OFF warning light
- Fuel flow rate
- **Actuators**
- All displays and control lights

VOLVO						V70 I - V70 I 2.5 AWD					
Year	Engine	Liters	HP	System		Functions					
1999/03 - 2000/03	B5244T2	2.4	265	Instrument cluster Instrument cluster 9.12.3		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>					

VOLVO						V70 I - V70 I 2.4					
Year	Engine	Liters	HP	System		Functions					
1999/05 - 2000/03	B5244S	2.4	170	Instrument cluster Instrument cluster 9.12.3		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> </ul> </li> </ul>					

- Fuel level warning lamp
- Vehicle speed signal
- Status Diagnosis
- TCS/ESP OFF warning light
- Fuel flow rate
- **Actuators**
- All displays and control lights

**VOLVO V70 I - V70 I T-5 AWD**

Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/03	B5234T6	2.3	240	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO V70 I - V70 I 2.0 AWD Turbo**

Year	Engine	Liters	HP	System	Functions
1997/01 - 1999/07	B5204T3	2.0	226	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> </ul> </li> </ul>

- Generator lamp
- Brakes control light
- ABS control light
- Fuel level warning lamp
- Vehicle speed signal
- Status Diagnosis
- TCS/ESP OFF warning light
- Fuel flow rate
- **Actuators**
- All displays and control lights

**VOLVO V70 I - V70 I 2.0 T 20V**

Year	Engine	Liters	HP	System	Functions
1998/08 - 2000/03	B5204T4	2.0	163	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b></li> <li>- All displays and control lights</li> </ul>

**VOLVO V70 I - V70 I 2.5 T XC**

Year	Engine	Liters	HP	System	Functions
1997/01 - 2000/03	B5254T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> </ul> </li> </ul>

- Cruise control, control light
- Coolant level, warning
- Oil pressure control lamp
- Generator lamp
- Brakes control light
- ABS control light
- Fuel level warning lamp
- Vehicle speed signal
- Status Diagnosis
- TCS/ESP OFF warning light
- Fuel flow rate
- **Actuators**
  - All displays and control lights

**VOLVO V70 I - V70 I 2.3 AWD**

Year	Engine	Liters	HP	System	Functions
1998/12 - 2000/03	B5234T8	2.3	250 - 265	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO V70 I - V70 I XC AWD**

Year	Engine	Liters	HP	System	Functions
1999/03				Instrument cluster	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> </ul> </li> </ul>

- 2000/03	B5244T	2.4	193	Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> <p>• <b>Actuators</b></p> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul>
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**VOLVO** **V70 I - V70 I 2.5T**

Year	Engine	Liters	HP	System	Functions
1999/03 - 2000/03	B5244T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Average consumption indication correction</li> <li>- Mileometer display format adjustment</li> <li>- Service interval adaptation</li> <li>- Service interval display reset</li> <li>- Fuel tank full quantity adjustment</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Engine revolution</li> <li>- The ambient temperature</li> <li>- Upshift lamp</li> <li>- Service interval indication</li> <li>- Distance</li> <li>- Ambient temperature signal</li> <li>- Fuel level in the tank</li> <li>- Programmed tyre size</li> <li>- Cooling agent temperature motor</li> <li>- Cruise control, control light</li> <li>- Coolant level, warning</li> <li>- Oil pressure control lamp</li> <li>- Generator lamp</li> <li>- Brakes control light</li> <li>- ABS control light</li> <li>- Fuel level warning lamp</li> <li>- Vehicle speed signal</li> <li>- Status Diagnosis</li> <li>- TCS/ESP OFF warning light</li> <li>- Fuel flow rate</li> </ul> </li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- All displays and control lights</li> </ul> </li> </ul>

**VOLVO** **V70 II - V70 II 2.0 T**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> </ul> </li> </ul>

2000/03 - 2007/07	B5204T5	2.0	179	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **V70 II - V70 II 2.4 T**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> </ul> </li> </ul>



2000/03 - 2003/07	B5244T3	2.4	200	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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**VOLVO** **V70 II - V70 II 2.3 T5**

Year	Engine	Liters	HP	System	Functions
2000/03 - 2004/07	B5234T3	2.3	250	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

Airbag  
Airbag 8.3

- The ambient temperature
- Control unit power supply
- Kilometer reading
- Vehicle model
- Side airbag ignition circuit, window, rear left
- Side airbag ignition circuit, window, rear right
- Ignition circuit, safety seat belt straining, central rear
- Driver's seat belt fastener switch
- passenger's seat belt fastener switch
- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre -load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO** **V70 II - V70 II 2.4**

Year	Engine	Liters	HP	System	Functions
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2000/03 - 2007/07	B5244S	2.4	170	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
2003/04 - 2006/07	B5244S6	2.4	170	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **V70 II - V70 II 2.4D**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> </ul>
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2001/08 - 2006/07	D5244T	2.4	163	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> </ul> </li> </ul>

2001/12 - 2006/07	D5244T2	2.4	130	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
2006/08 - 2007/07	D5244T7	2.4	126	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO**
**V70 II - V70 II 2.5 BI-FUEL CNG**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> </ul>

2001/09 - 2007/07	B5244SG	2.5	140	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **V70 II - V70 II 2.5 BI-FUEL LPG**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> </ul> </li> </ul>

2001/09 - 2006/07	B5244SG2	2.5	140		<ul style="list-style-type: none"> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **V70 II - V70 II 2.5 T AWD**

Year	Engine	Liters	HP	System	Functions
2002/08 - 2007/07	B5254T2	2.5	210	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>

				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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**VOLVO** **V70 II - V70 II 2.4D AWD**

Year	Engine	Liters	HP	System	Functions
2002/08 - 2006/07	D5244T	2.4	163	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> </ul> </li> </ul>



- Ignition circuit, safety seat belt straining, central rear
- Driver's seat belt fastener switch
- passenger's seat belt fastener switch
- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre -load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO V70 II - V70 II R 2.5 T AWD**

Year	Engine	Liters	HP	System	Functions
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2003/03 - 2007/07	B5254T4	2.5	300	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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## VOLVO

## V70 II - V70 II 2.5 T

Year	Engine	Liters	HP	System	Functions
2004/04 - 2007/07	B5254T2	2.5	210	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

## VOLVO

## V70 II - V70 II 2.4 T5

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

2004/04 - 2007/07	B5244T5	2.4	260	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>

**VOLVO** **V70 II - V70 II 2.3**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> </ul>

2000/03 - 2004/07	B5234T7	2.3	265		<ul style="list-style-type: none"> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

VOLVO						V70 II - V70 II XC AWD					
Year	Engine	Liters	HP	System		Functions					
2000/09 - 2002/07	B5244T3	2.4	200	Airbag Airbag 8.3		<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>					

Year	Engine	Liters	HP	System	Functions
2000/03 - 2001/07	D5252T	2.5	140	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO** **V70 II - V70 II D5**

Year	Engine	Liters	HP	System	Functions
2005/12 - 2006/07	D5244T3	2.4	185	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> </ul> </li> </ul>

2006/08 - 2007/07	D5244T4	2.4	185	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
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<b>VOLVO</b>	<b>V70 II - V70 II D5 AWD</b>
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Year	Engine	Liters	HP	System	Functions
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2005/12 - 2006/07	D5244T3	2.4	185	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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2006/08 - 2007/07	D5244T4	2.4	185	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> </ul> </li> </ul>
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- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO V70 II - V70 II 2.4 T AWD**

Year	Engine	Liters	HP	System	Functions
2000/09 - 2003/07	B5244T3	2.4	200	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO V70 III - V70 III 3.2**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> </ul> </li> </ul>

- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button



- 2010/07	B6324S	3.2	238 - 238	Heating / Air conditioner Automatic A/C 3.0	<ul style="list-style-type: none"> <li>- AUTO button LED</li> <li>- SOUND button</li> <li>- Cornering lights</li> <li>- LED rear window heating button</li> <li>- Button [#]</li> <li>- Right arrow button</li> <li>- Down arrow button</li> <li>- Left arrow button</li> <li>- Air distribution flaps servomotor</li> <li>- Directional stability assistant</li> <li>- Reversing camera</li> <li>- Function button 1</li> <li>- Function button 2</li> <li>- Function button 3</li> <li>- Function button 4</li> <li>- Function button 5</li> <li>- Function button 6</li> <li>- Button 1</li> <li>- Button 2</li> <li>- Button 3</li> <li>- Button 4</li> <li>- Button 5</li> <li>- Button 6</li> <li>- Button 1 status</li> <li>- Button 2 status</li> <li>- Button 3 status</li> <li>- Automatic heated rear window</li> <li>- Left temperature flap actual position</li> <li>- Front left backrest ventilation</li> <li>- Right temperature flap actual position</li> <li>- Right temperature flap specified position</li> <li>- Front right backrest ventilation</li> <li>- Tuning button</li> <li>- Front right seat heating LED button 3</li> <li>- Front right seat heating LED button 2</li> <li>- Front right seat heating LED button 1</li> <li>- LED function button 2</li> <li>- LED function button 1</li> <li>- LED function button 3</li> <li>- LED function button 4</li> <li>- LED function button 5</li> <li>- LED function button 6</li> <li>- Visual accident warning system</li> <li>- Left seat ventilation LED switch 1</li> <li>- Left seat ventilation LED switch 2</li> <li>- Left seat ventilation LED switch 3</li> <li>- Right seat ventilation LED switch 1</li> <li>- Right seat ventilation LED switch 2</li> <li>- Right seat ventilation LED switch 3</li> <li>- Additional lighting</li> <li>- Blind spot warning system</li> <li>- Bi-fuel</li> <li>- Front left seat heating LED button 3</li> <li>- Front left seat heating LED button 1</li> <li>- Front left seat heating LED button 2</li> <li>- LED AC button on</li> <li>- LED AC button off</li> <li>- Fresh/recirculated-air button LED</li> <li>- Number of cold zone activation operations</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- air conditioner</li> <li>- Folding head restraints</li> <li>- Rear window heating</li> <li>- Air distribution: defrost</li> <li>- Air distribution: footwell</li> <li>- Air distribution: ventilation</li> <li>- Seat ventilation, front left</li> <li>- Seat ventilation, front right seat</li> <li>- Seat heating, front left</li> <li>- Seat heating, front right</li> <li>- Park distance control</li> <li>- Maximum defrost button LED</li> <li>- Function keypad button 5</li> </ul> </li> </ul>
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- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button

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3.2

243

Heating / Air conditioner  
Automatic A/C 3.0

- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4

- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7

- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO V70 III - V70 III 2.5 T**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> </ul> </li> </ul>
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2.5

200

Heating / Air conditioner  
Automatic A/C 3.0

- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status

- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button

- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor



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2.5

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Heating / Air conditioner  
Automatic A/C 3.0

- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3

- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 III - V70 III T6 AWD**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> </ul> </li> </ul>
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- Air conditioner control unit programming
- Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual

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3.0

285

Heating / Air conditioner  
Automatic A/C 3.0

- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3

- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left

- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button

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Heating / Air conditioner  
Automatic A/C 3.0

- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost

- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO V70 III - V70 III 2.4D**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> </ul> </li> </ul>



- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button

<p>- 2009/07</p>	<p>D5244T5</p>	<p>2.4</p>	<p>163</p>	<p>Automatic A/C 3.0</p>	<ul style="list-style-type: none"> <li>- AUTO button LED</li> <li>- SOUND button</li> <li>- Cornering lights</li> <li>- LED rear window heating button</li> <li>- Button [#]</li> <li>- Right arrow button</li> <li>- Down arrow button</li> <li>- Left arrow button</li> <li>- Air distribution flaps servomotor</li> <li>- Directional stability assistant</li> <li>- Reversing camera</li> <li>- Function button 1</li> <li>- Function button 2</li> <li>- Function button 3</li> <li>- Function button 4</li> <li>- Function button 5</li> <li>- Function button 6</li> <li>- Button 1</li> <li>- Button 2</li> <li>- Button 3</li> <li>- Button 4</li> <li>- Button 5</li> <li>- Button 6</li> <li>- Button 1 status</li> <li>- Button 2 status</li> <li>- Button 3 status</li> <li>- Automatic heated rear window</li> <li>- Left temperature flap actual position</li> <li>- Front left backrest ventilation</li> <li>- Right temperature flap actual position</li> <li>- Right temperature flap specified position</li> <li>- Front right backrest ventilation</li> <li>- Tuning button</li> <li>- Front right seat heating LED button 3</li> <li>- Front right seat heating LED button 2</li> <li>- Front right seat heating LED button 1</li> <li>- LED function button 2</li> <li>- LED function button 1</li> <li>- LED function button 3</li> <li>- LED function button 4</li> <li>- LED function button 5</li> <li>- LED function button 6</li> <li>- Visual accident warning system</li> <li>- Left seat ventilation LED switch 1</li> <li>- Left seat ventilation LED switch 2</li> <li>- Left seat ventilation LED switch 3</li> <li>- Right seat ventilation LED switch 1</li> <li>- Right seat ventilation LED switch 2</li> <li>- Right seat ventilation LED switch 3</li> <li>- Additional lighting</li> <li>- Blind spot warning system</li> <li>- Bi-fuel</li> <li>- Front left seat heating LED button 3</li> <li>- Front left seat heating LED button 1</li> <li>- Front left seat heating LED button 2</li> <li>- LED AC button on</li> <li>- LED AC button off</li> <li>- Fresh/recirculated-air button LED</li> <li>- Number of cold zone activation operations</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- air conditioner</li> <li>- Folding head restraints</li> <li>- Rear window heating</li> <li>- Air distribution: defrost</li> <li>- Air distribution: footwell</li> <li>- Air distribution: ventilation</li> <li>- Seat ventilation, front left</li> <li>- Seat ventilation, front right seat</li> <li>- Seat heating, front left</li> <li>- Seat heating, front right</li> <li>- Park distance control</li> <li>- Maximum defrost button LED</li> <li>- Function keypad button 5</li> </ul> </li> </ul>
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- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button

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D5244T14

2.4

175

Heating / Air conditioner  
Automatic A/C 3.0

- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4

- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7

- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 III - V70 III D5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> </ul> </li> </ul>
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2.4

185

Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status

- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button



- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor

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Heating / Air conditioner  
Automatic A/C 3.0

- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4

- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right

- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button

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Heating / Air conditioner  
Automatic A/C 3.0

- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2

- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

<b>VOLVO</b>	<b>V70 III - V70 III 3.2 AWD</b>				
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Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> </ul> </li> </ul>
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- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button

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Heating / Air conditioner  
Automatic A/C 3.0

- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost



- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left

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Heating / Air conditioner  
Automatic A/C 3.0

- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button

- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1

- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 III - V70 III D5 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4

- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7

- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5

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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position



- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status

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Heating / Air conditioner  
Automatic A/C 3.0

- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2

- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO**

**V70 III - V70 III 2.0 F Flexifuel**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> </ul> </li> </ul>

- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button

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Heating / Air conditioner  
Automatic A/C 3.0

- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2

- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO V70 III - V70 III 2.0B**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> </ul> </li> </ul>

- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating



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2.0

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Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell

- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 III - V70 III 2.0D**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> </ul> </li> </ul>
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- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button

- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button

- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 III - V70 III 2.5 FT Flexifuel**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1

- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button

- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 III - V70 III 1.6D DRIVe**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> </ul> </li> </ul>
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Heating / Air conditioner  
Automatic A/C 3.0

- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5

- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button

- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO V70 III - V70 III 2.5 FT Fexifuel**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> </ul> </li> </ul>
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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation

- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> <li>- Left temperature control motor</li> <li>- Right temperature control motor</li> <li>- Front seat heating timer</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5

- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

VOLVO					V70 III - V70 III D3	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> </ul>	



- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual
  - Rear right seat heating: specified temperature
  - Rear left seat heating: specified temperature

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163

Heating / Air conditioner  
Automatic A/C 3.0

- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system

- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**

- **Clear errors**

- **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

- **Error memory**

- **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch

- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left

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136

Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation

- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO V70 III - V70 III T5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> </ul> </li> </ul>
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240

Heating / Air conditioner  
Automatic A/C 3.0

- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button

- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button



- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 III - V70 III T4**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> </ul> </li> </ul>

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180

Heating / Air conditioner  
Automatic A/C 3.0

- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1

- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button

- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 III - V70 III 1.6 D DRIVe**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> </ul> </li> </ul>
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114

Heating / Air conditioner  
Automatic A/C 3.0

- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5

- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button

- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 III - V70 III T4F**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> </ul> </li> </ul>
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180

Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation



- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> <li>- Left temperature control motor</li> <li>- Right temperature control motor</li> <li>- Front seat heating timer</li> </ul> </li> </ul>

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163

Heating / Air conditioner  
Automatic A/C 3.0

- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5

- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

VOLVO					V70 III - V70 III 2.0 T5	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> </ul>	

- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual
  - Rear right seat heating: specified temperature
  - Rear left seat heating: specified temperature

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2.0

214

Heating / Air conditioner  
Automatic A/C 3.0

- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system

- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO** **V70 III - V70 III D4 AWD**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> </ul> </li> </ul>
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- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal



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Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner

- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC60 - XC60 D5 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> </ul> </li> </ul>

- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat

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Heating / Air conditioner  
Automatic A/C 3.0

- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control

- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor

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Heating / Air conditioner  
Automatic A/C 3.0

- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2

- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button

- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3



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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position

- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation

VOLVO					XC60 - XC60 2.4D AWD	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> <li>- Keypad button *</li> <li>- Keypad button #</li> <li>- Hill Descent Control button</li> </ul> </li> </ul>	

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Heating / Air conditioner  
Automatic A/C 3.0

- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1

- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC

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Heating / Air conditioner  
Automatic A/C 3.0

- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3

- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO**

**XC60 - XC60 T6 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> </ul> </li> </ul>



- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button

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Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints

- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center

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Heating / Air conditioner  
Automatic A/C 3.0

- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button

- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2

- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC60 - XC60 2.4D DRIVE**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> </ul> </li> </ul>
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Heating / Air conditioner  
Automatic A/C 3.0

- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3

- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6



- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO**

**XC60 - XC60 3.2 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status

- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button

- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor

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Heating / Air conditioner  
Automatic A/C 3.0

- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3

- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply

- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button

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Heating / Air conditioner  
Automatic A/C 3.0

- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1



- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO XC60 - XC60 3.2**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> </ul> </li> </ul>
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- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button

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Heating / Air conditioner  
Automatic A/C 3.0

- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating

- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward

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Heating / Air conditioner  
Automatic A/C 3.0

- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]

- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button

- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC60 - XC60 2.0T**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> </ul> </li> </ul>

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Heating / Air conditioner  
Automatic A/C 3.0

- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3



- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6

- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC60 - XC60 D3 DRIVE**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> </ul> </li> </ul>
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Heating / Air conditioner  
Automatic A/C 3.0

- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status

- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button

- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor

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Heating / Air conditioner  
Automatic A/C 3.0

- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3

- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC60 - XC60 T5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> </ul>
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- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED



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Heating / Air conditioner  
Automatic A/C 3.0

- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2

- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC60 - XC60 D4 AWD**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> </ul> </li> </ul>
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- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED

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Heating / Air conditioner  
Automatic A/C 3.0

- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED

- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC60 - XC60 D3**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"><li>• <b>Identification</b></li><li>• <b>Clear errors</b></li><li>• <b>Adjustments / settings</b><ul style="list-style-type: none"><li>- Matching of control motors</li><li>- Air conditioner control unit programming</li><li>- Evaporator power programming</li></ul></li><li>• <b>Error memory</b></li><li>• <b>Current values</b><ul style="list-style-type: none"><li>- Power supply</li><li>- Temperature - nominal value setting element right</li><li>- Temperature nominal value setting element left</li><li>- Blower nominal value actuator</li><li>- Passenger compartment temperature</li><li>- The ambient temperature</li><li>- vaporization temperature</li><li>- Stepping motor</li><li>- control motor-windows heating valve</li><li>- control motor for air circulation motor</li><li>- temperature valve servo motor: left</li><li>- temperature valve servo motor: right</li><li>- AC switch</li><li>- Air recirculation switch</li><li>- Rear window preheating switch</li></ul></li></ul>
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- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left

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D5204T7

2.0

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Heating / Air conditioner  
Automatic A/C 3.0

- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat

- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC60 - XC60 D4**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> </ul> </li> </ul>



2012/08  
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D5204T3

2.0

163

Heating / Air conditioner  
Automatic A/C 3.0

- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]

- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button

- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC70 I - XC70 I 2.5T AWD**

Year	Engine	Liters	HP	System	Functions
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2002/08 - 2007/07	B5254T2	2.5	209 - 210	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> </ul> </li> </ul>
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- Ignition circuit, safety seat belt straining, central rear
- Driver's seat belt fastener switch
- passenger's seat belt fastener switch
- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre-load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO XC70 I - XC70 I 2.4D AWD**

Year	Engine	Liters	HP	System	Functions
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2002/08 -	D5244T	2.4	163	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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2006/07				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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## VOLVO

## XC70 I - XC70 I 2.4T AWD

Year	Engine	Liters	HP	System	Functions
2004/08 - 2007/07	B5244T4	2.4	200 - 200	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

## VOLVO

## XC70 I - XC70 I 2.3T AWD

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

2002/08 - 2004/07	B5234T7	2.3	190	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
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VOLVO XC70 I - XC70 I D5 AWD					
Year	Engine	Liters	HP	System	Functions
2005/12 - 2007/07	D5244T4	2.4	185	Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>

VOLVO XC70 II - XC70 II D5 AWD					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> </ul>

- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED

2007/08  
-  
2009/07

D5244T4

2.4

185

Heating / Air conditioner  
Automatic A/C 3.0

- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED



- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps

- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button

<p>- 2011/07</p>	<p>D5244T10</p>	<p>2.4</p>	<p>205</p>	<p>Heating / Air conditioner Automatic A/C 3.0</p>	<ul style="list-style-type: none"> <li>- AUTO button LED</li> <li>- SOUND button</li> <li>- Cornering lights</li> <li>- LED rear window heating button</li> <li>- Button [#]</li> <li>- Right arrow button</li> <li>- Down arrow button</li> <li>- Left arrow button</li> <li>- Air distribution flaps servomotor</li> <li>- Directional stability assistant</li> <li>- Reversing camera</li> <li>- Function button 1</li> <li>- Function button 2</li> <li>- Function button 3</li> <li>- Function button 4</li> <li>- Function button 5</li> <li>- Function button 6</li> <li>- Button 1</li> <li>- Button 2</li> <li>- Button 3</li> <li>- Button 4</li> <li>- Button 5</li> <li>- Button 6</li> <li>- Button 1 status</li> <li>- Button 2 status</li> <li>- Button 3 status</li> <li>- Automatic heated rear window</li> <li>- Left temperature flap actual position</li> <li>- Front left backrest ventilation</li> <li>- Right temperature flap actual position</li> <li>- Right temperature flap specified position</li> <li>- Front right backrest ventilation</li> <li>- Tuning button</li> <li>- Front right seat heating LED button 3</li> <li>- Front right seat heating LED button 2</li> <li>- Front right seat heating LED button 1</li> <li>- LED function button 2</li> <li>- LED function button 1</li> <li>- LED function button 3</li> <li>- LED function button 4</li> <li>- LED function button 5</li> <li>- LED function button 6</li> <li>- Visual accident warning system</li> <li>- Left seat ventilation LED switch 1</li> <li>- Left seat ventilation LED switch 2</li> <li>- Left seat ventilation LED switch 3</li> <li>- Right seat ventilation LED switch 1</li> <li>- Right seat ventilation LED switch 2</li> <li>- Right seat ventilation LED switch 3</li> <li>- Additional lighting</li> <li>- Blind spot warning system</li> <li>- Bi-fuel</li> <li>- Front left seat heating LED button 3</li> <li>- Front left seat heating LED button 1</li> <li>- Front left seat heating LED button 2</li> <li>- LED AC button on</li> <li>- LED AC button off</li> <li>- Fresh/recirculated-air button LED</li> <li>- Number of cold zone activation operations</li> <li>• <b>Actuators</b> <ul style="list-style-type: none"> <li>- air conditioner</li> <li>- Folding head restraints</li> <li>- Rear window heating</li> <li>- Air distribution: defrost</li> <li>- Air distribution: footwell</li> <li>- Air distribution: ventilation</li> <li>- Seat ventilation, front left</li> <li>- Seat ventilation, front right seat</li> <li>- Seat heating, front left</li> <li>- Seat heating, front right</li> <li>- Park distance control</li> <li>- Maximum defrost button LED</li> <li>- Function keypad button 5</li> </ul> </li> </ul>
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- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button

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Heating / Air conditioner  
Automatic A/C 3.0

- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4

- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7

- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC70 II - XC70 II 3.2 AWD**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> </ul> </li> </ul>
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3.2

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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status



- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button

- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor

2010/08

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3.2

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Heating / Air conditioner  
Automatic A/C 3.0

- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4

- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

VOLVO XC70 II - XC70 II 2.4D AWD					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> </ul> </li> </ul>

- Air conditioner control unit programming
- Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual

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Heating / Air conditioner  
Automatic A/C 3.0

- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3

- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming
- Evaporator power programming

• **Error memory**

• **Current values**

- Power supply
- Temperature - nominal value setting element right
- Temperature nominal value setting element left
- Blower nominal value actuator
- Passenger compartment temperature
- The ambient temperature
- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left

- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button



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Heating / Air conditioner  
Automatic A/C 3.0

- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost

- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC70 II - XC70 II T6 AWD**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> </ul> </li> </ul>
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- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED

- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]

- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

- **Identification**
- **Clear errors**
- **Adjustments / settings**
  - Matching of control motors
  - Air conditioner control unit programming
  - Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button

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Heating / Air conditioner  
Automatic A/C 3.0

- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5

- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button

- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC70 II - XC70 II 2.4D DRIVE**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> </ul> </li> </ul>



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Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status

- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button

- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

VOLVO				XC70 II - XC70 II D3 DRIVe	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> <li>- Folding head restraints</li> <li>- Park distance control system key</li> <li>- Fan voltage</li> <li>- Required position defroster flaps</li> <li>- Required position air circulation flaps</li> <li>- Key Auto</li> <li>- Air distribution button upwards</li> <li>- Air distribution button center</li> <li>- Air distribution button downward</li> <li>- Temperature, heated seat, left</li> <li>- Temperature, heating seat, right</li> <li>- Hill Descent Control</li> <li>- HDC indicator lamp</li> <li>- MEDIA button</li> <li>- Current position fresh air / ventilation flap</li> <li>- Defrost button</li> <li>- Rain sensor</li> <li>- LED defrost switch</li> <li>- Radio button</li> <li>- TEL button</li> <li>- NAV button</li> <li>- ENTER button</li> <li>- ON/OFF button</li> <li>- EJECT button</li> <li>- LED parking assistant, switch</li> <li>- Actual position Defroster flap</li> <li>- ACC</li> <li>- Left temperature flap specified position</li> <li>- Button [*]</li> <li>- Keypad button 1</li> <li>- Keypad button 2</li> <li>- Keypad button 3</li> <li>- Keypad button 4</li> <li>- Keypad button 5</li> <li>- Keypad button 6</li> <li>- Keypad button 7</li> <li>- Keypad button 8</li> <li>- Keypad button 9</li> <li>- Keypad button 0</li> </ul> </li> </ul>

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D5204T2

2.0

163

Heating / Air conditioner  
Automatic A/C 3.0

- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2

- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

• **Identification**

• **Clear errors**

• **Adjustments / settings**

- Matching of control motors
- Air conditioner control unit programming

- Evaporator power programming
- **Error memory**
- **Current values**
  - Power supply
  - Temperature - nominal value setting element right
  - Temperature nominal value setting element left
  - Blower nominal value actuator
  - Passenger compartment temperature
  - The ambient temperature
  - vaporization temperature
  - Stepping motor
  - control motor-windows heating valve
  - control motor for air circulation motor
  - temperature valve servo motor: left
  - temperature valve servo motor: right
  - AC switch
  - Air recirculation switch
  - Rear window preheating switch
  - Actual position, air distribution flaps
  - Folding head restraints
  - Park distance control system key
  - Fan voltage
  - Required position defroster flaps
  - Required position air circulation flaps
  - Key Auto
  - Air distribution button upwards
  - Air distribution button center
  - Air distribution button downward
  - Temperature, heated seat, left
  - Temperature, heating seat, right
  - Hill Descent Control
  - HDC indicator lamp
  - MEDIA button
  - Current position fresh air / ventilation flap
  - Defrost button
  - Rain sensor
  - LED defrost switch
  - Radio button
  - TEL button
  - NAV button
  - ENTER button
  - ON/OFF button
  - EJECT button
  - LED parking assistant, switch
  - Actual position Defroster flap
  - ACC
  - Left temperature flap specified position
  - Button [\*]
  - Keypad button 1
  - Keypad button 2
  - Keypad button 3
  - Keypad button 4
  - Keypad button 5
  - Keypad button 6
  - Keypad button 7
  - Keypad button 8
  - Keypad button 9
  - Keypad button 0
  - Keypad button \*
  - Keypad button #
  - Hill Descent Control button
  - Left temperature control motor
  - Right temperature control motor
  - Front seat heating timer
  - Rear seat heating timer
  - MY CAR button
  - CAM button
  - Humidity sensor status
  - Air quality sensor fault information
  - Rear folding head restraint button
  - Automatic air recirculation button LED
  - LED button air recirculation, manual
  - Rear right seat heating: specified temperature

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D5204T3

2.0

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Heating / Air conditioner  
Automatic A/C 3.0

- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting

- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations
- **Actuators**
  - air conditioner
  - Folding head restraints
  - Rear window heating
  - Air distribution: defrost
  - Air distribution: footwell
  - Air distribution: ventilation
  - Seat ventilation, front left
  - Seat ventilation, front right seat
  - Seat heating, front left
  - Seat heating, front right
  - Park distance control
  - Maximum defrost button LED
  - Function keypad button 5
  - Function keypad button [#]
  - Function: EJECT button
  - Function keypad button 3
  - Function keypad button 2
  - Function return button
  - Function keypad button 1
  - Function keypad button 0
  - Function keypad button 4
  - Function keypad button 8
  - Function keypad button 9
  - Function continue button
  - Function SOUND button
  - Function PHONE button
  - Function keypad button 6
  - Function keypad button 7
  - Function EXIT button
  - HDC indicator lamp
  - Air recirculation mode
  - Open defrost flaps to maximum
  - Function, MENU button
  - CAM button function
  - Function: AUTO button
  - Function: RADIO button
  - Function: POWER button
  - Function: NAV button
  - Function: MY CAR button
  - Function: \*/FAV button
  - Functional button air recirculation
  - Function: Media player

**VOLVO XC70 II - XC70 II 3.2 2WD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> </ul> </li> </ul>



- vaporization temperature
- Stepping motor
- control motor-windows heating valve
- control motor for air circulation motor
- temperature valve servo motor: left
- temperature valve servo motor: right
- AC switch
- Air recirculation switch
- Rear window preheating switch
- Actual position, air distribution flaps
- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch

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3.2

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Heating / Air conditioner  
Automatic A/C 3.0

- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right
- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

- **Actuators**
- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left
- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC70 II - XC70 II D3 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Matching of control motors</li> <li>- Air conditioner control unit programming</li> <li>- Evaporator power programming</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Power supply</li> <li>- Temperature - nominal value setting element right</li> <li>- Temperature nominal value setting element left</li> <li>- Blower nominal value actuator</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- vaporization temperature</li> <li>- Stepping motor</li> <li>- control motor-windows heating valve</li> <li>- control motor for air circulation motor</li> <li>- temperature valve servo motor: left</li> <li>- temperature valve servo motor: right</li> <li>- AC switch</li> <li>- Air recirculation switch</li> <li>- Rear window preheating switch</li> <li>- Actual position, air distribution flaps</li> </ul> </li> </ul>

- Folding head restraints
- Park distance control system key
- Fan voltage
- Required position defroster flaps
- Required position air circulation flaps
- Key Auto
- Air distribution button upwards
- Air distribution button center
- Air distribution button downward
- Temperature, heated seat, left
- Temperature, heating seat, right
- Hill Descent Control
- HDC indicator lamp
- MEDIA button
- Current position fresh air / ventilation flap
- Defrost button
- Rain sensor
- LED defrost switch
- Radio button
- TEL button
- NAV button
- ENTER button
- ON/OFF button
- EJECT button
- LED parking assistant, switch
- Actual position Defroster flap
- ACC
- Left temperature flap specified position
- Button [\*]
- Keypad button 1
- Keypad button 2
- Keypad button 3
- Keypad button 4
- Keypad button 5
- Keypad button 6
- Keypad button 7
- Keypad button 8
- Keypad button 9
- Keypad button 0
- Keypad button \*
- Keypad button #
- Hill Descent Control button
- Left temperature control motor
- Right temperature control motor
- Front seat heating timer
- Rear seat heating timer
- MY CAR button
- CAM button
- Humidity sensor status
- Air quality sensor fault information
- Rear folding head restraint button
- Automatic air recirculation button LED
- LED button air recirculation, manual
- Rear right seat heating: specified temperature
- Rear left seat heating: specified temperature
- Required position air distribution flap
- LED button AC
- LED air circulation button
- LED defrost button
- Upward air distribution button LED
- Downward air distribut. button LED
- Center air distribution button LED
- Left seat, ventilation switch
- Right seat, ventilation switch
- Air quality sensor, signal
- Seat heating, left, button
- Seat heating, right, button
- Rear right seat heating button
- Rear seat heating
- Seat heating, front left
- Seat heating, front right
- Seat heating, rear left
- Seat heating, rear right

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D5244T17

2.4

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Heating / Air conditioner  
Automatic A/C 3.0

- Seat ventilation, front left
- Seat ventilation, front right seat
- Menu key
- EXIT/CLEAR button
- AUTO button LED
- SOUND button
- Cornering lights
- LED rear window heating button
- Button [#]
- Right arrow button
- Down arrow button
- Left arrow button
- Air distribution flaps servomotor
- Directional stability assistant
- Reversing camera
- Function button 1
- Function button 2
- Function button 3
- Function button 4
- Function button 5
- Function button 6
- Button 1
- Button 2
- Button 3
- Button 4
- Button 5
- Button 6
- Button 1 status
- Button 2 status
- Button 3 status
- Automatic heated rear window
- Left temperature flap actual position
- Front left backrest ventilation
- Right temperature flap actual position
- Right temperature flap specified position
- Front right backrest ventilation
- Tuning button
- Front right seat heating LED button 3
- Front right seat heating LED button 2
- Front right seat heating LED button 1
- LED function button 2
- LED function button 1
- LED function button 3
- LED function button 4
- LED function button 5
- LED function button 6
- Visual accident warning system
- Left seat ventilation LED switch 1
- Left seat ventilation LED switch 2
- Left seat ventilation LED switch 3
- Right seat ventilation LED switch 1
- Right seat ventilation LED switch 2
- Right seat ventilation LED switch 3
- Additional lighting
- Blind spot warning system
- Bi-fuel
- Front left seat heating LED button 3
- Front left seat heating LED button 1
- Front left seat heating LED button 2
- LED AC button on
- LED AC button off
- Fresh/recirculated-air button LED
- Number of cold zone activation operations

• **Actuators**

- air conditioner
- Folding head restraints
- Rear window heating
- Air distribution: defrost
- Air distribution: footwell
- Air distribution: ventilation
- Seat ventilation, front left
- Seat ventilation, front right seat
- Seat heating, front left

- Seat heating, front right
- Park distance control
- Maximum defrost button LED
- Function keypad button 5
- Function keypad button [#]
- Function: EJECT button
- Function keypad button 3
- Function keypad button 2
- Function return button
- Function keypad button 1
- Function keypad button 0
- Function keypad button 4
- Function keypad button 8
- Function keypad button 9
- Function continue button
- Function SOUND button
- Function PHONE button
- Function keypad button 6
- Function keypad button 7
- Function EXIT button
- HDC indicator lamp
- Air recirculation mode
- Open defrost flaps to maximum
- Function, MENU button
- CAM button function
- Function: AUTO button
- Function: RADIO button
- Function: POWER button
- Function: NAV button
- Function: MY CAR button
- Function: \*/FAV button
- Functional button air recirculation
- Function: Media player

**VOLVO XC90 - XC90 2.5T AWD**

Year	Engine	Liters	HP	System	Functions
2002/10 - 2012/10	B5254T2	2.5	210	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> </ul>

Airbag  
Airbag 8.3

- **Current values**
- Vehicle driving speed
- Passenger compartment temperature
- The ambient temperature
- Control unit power supply
- Kilometer reading
- Vehicle model
- Side airbag ignition circuit, window, rear left
- Side airbag ignition circuit, window, rear right
- Ignition circuit, safety seat belt straining, central rear
- Driver's seat belt fastener switch
- passenger's seat belt fastener switch
- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre -load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO XC90 - XC90 T6 AWD**

Year	Engine	Liters	HP	System	Functions
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2003/01 - 2006/07	B6294T	2.9	272	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b></li> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b></li> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> </ul>
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- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre -load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO XC90 - XC90 D5 AWD**

Year	Engine	Liters	HP	System	Functions
2003/01 - 2006/07	D5244T	2.4	163	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> </ul>



2005/05 -	D5244T4	2.4	185	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> </ul> </li> </ul>

2007/10 - 2011/07	D5244T5	2.4	163	<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> <ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
2010/08 -	D5244T18	2.4	200	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> </ul> </li> </ul>

Airbag  
Airbag 8.3

- The ambient temperature
- Control unit power supply
- Kilometer reading
- Vehicle model
- Side airbag ignition circuit, window, rear left
- Side airbag ignition circuit, window, rear right
- Ignition circuit, safety seat belt straining, central rear
- Driver's seat belt fastener switch
- passenger's seat belt fastener switch
- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre-load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO XC90 - XC90 2.5T FWD**

Year	Engine	Liters	HP	System	Functions
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2003/01 - 2006/07	B5254T2	2.5	210	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> </ul> </li> </ul>
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- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO XC90 - XC90 V8 AWD**

Year	Engine	Liters	HP	System	Functions
2005/03 - 2010/12	B8444S	4.4	315	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO XC90 - XC90 3.2 AWD**

Year	Engine	Liters	HP	System	Functions
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2006/08 - 2010/07	B6324S	3.2	238	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> </ul> </li> </ul>

2010/08	B6324S5	3.2	243		<ul style="list-style-type: none"> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

**VOLVO XC90 - XC90 3.2 FWD**

Year	Engine	Liters	HP	System	Functions
2006/08 - 2010/07	B6324S	3.2	238	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Identification</b></li> </ul>

				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
2010/08	B6324S5	3.2	243	<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> </ul> </li> </ul>

- Control variant
- Wgt sen. seat occupancy fro. pass.
- Ignition circuit pre -load device 3 row left
- Ignition circuit pre-load device 3 row right
- Airbag control unit
- Key switch, passenger side airbag
- Status passenger side airbag
- Ignition circuit, seat belt straightener, rear left:
- Ignition circuit, seat belt straightener, rear right:

**VOLVO XC90 - XC90 D3 FWD**

Year	Engine	Liters	HP	System	Functions
2010/08	D5244T5	2.4	163	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>
				Airbag Airbag 8.3	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre -load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>



Year	Engine	Liters	HP	System	Functions
2012/08 -	B5254T9	2.5	209	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> <li>• <b>Identification</b></li> <li>• <b>Clear errors</b></li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Calibrate seat occupied sensor</li> <li>- Write occupant weight sensor (OWS) ID</li> </ul> </li> <li>• <b>Error memory</b></li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Vehicle driving speed</li> <li>- Passenger compartment temperature</li> <li>- The ambient temperature</li> <li>- Control unit power supply</li> <li>- Kilometer reading</li> <li>- Vehicle model</li> <li>- Side airbag ignition circuit, window, rear left</li> <li>- Side airbag ignition circuit, window, rear right</li> <li>- Ignition circuit, safety seat belt straining, central rear</li> <li>- Driver's seat belt fastener switch</li> <li>- passenger's seat belt fastener switch</li> <li>- Control variant</li> <li>- Wgt sen. seat occupancy fro. pass.</li> <li>- Ignition circuit pre-load device 3 row left</li> <li>- Ignition circuit pre-load device 3 row right</li> <li>- Airbag control unit</li> <li>- Key switch, passenger side airbag</li> <li>- Status passenger side airbag</li> <li>- Ignition circuit, seat belt straightener, rear left:</li> <li>- Ignition circuit, seat belt straightener, rear right:</li> </ul> </li> </ul>

[Beetle - Beetle 2.0 TDI](#)  
[Beetle \[5C7\] Cabriolet - Beetle 2.5 Cabriolet](#)  
[Bora \[1J2\] - Bora 1.6](#)  
[Bora \[1J2\] - Bora 1.4](#)  
[Bora \[1J6\] Variant - Bora 1.6 Variant](#)  
[Bora \[1J6\] Variant - Bora 1.4 Variant](#)  
[Caddy \[2K\] - Caddy 1.4](#)  
[Caddy \[9K9\] - Caddy 1.4](#)  
[Eos \[1F7\] - Eos 2.0 TDI](#)  
[Fox \[5Z1\] - Fox 1.4](#)  
[Fox \[Fase II\] - Fox 1.0 Total Flex](#)  
[Fox \[Fase I\] - Fox 1.0 Total Flex](#)  
[Fox \[Fase I\] - Fox 1.0](#)  
[Gol II Special \[37\] - Gol II Special 1.6Mi](#)  
[Gol II \[37\] - Gol II 1.0Mi 8V](#)  
[Gol II \[37\] - Gol II 1.6Mi](#)  
[Gol II \[37\] - Gol II 1.8Mi](#)  
[Gol II \[37\] - Gol II 1.0Mi 16V](#)  
[Gol III \[5X\] - Gol III 1.0Mi 16V](#)  
[Gol III \[5X\] - Gol III 1.0Mi](#)  
[Gol III \[5X\] - Gol III 1.6Mi Total Flex](#)  
[Gol III \[5X\] - Gol III 1.8Mi](#)  
[Gol III \[5X\] - Gol III 1.6Mi](#)  
[Gol III \[5X\] - Gol III 1.8Mi Total Flex](#)  
[Gol III \[5X\] - Gol III 1.0Mi Total Flex](#)  
[Gol IV - Gol IV 1.0 Total Flex](#)  
[Gol IV - Gol IV 1.6 Total Flex](#)  
[Gol IV - Gol IV 1.8 Total Flex](#)  
[Gol IV - Gol IV 1.6](#)  
[Gol IV - Gol IV 1.0](#)  
[Gol V - Gol V 1.0 Total Flex](#)  
[Golf IV \[1J1\] - Golf IV 1.6](#)  
[Golf IV \[1J1\] - Golf IV 1.4](#)  
[Golf IV \[1J5\] Variant - Golf IV 1.6 Variant](#)  
[Golf IV \[1J5\] Variant - Golf IV 1.4 Variant](#)  
[Golf Plus \[521\] - Golf Plus 2.0 TDI](#)  
[Golf Plus \[521\] - Golf Plus 1.4](#)  
[Golf Plus \[5M1\] - Golf Plus 1.4](#)  
[Golf V \[1K1\] - Golf V 2.0 TDI](#)  
[Golf V \[1K1\] - Golf V 1.4](#)  
[Golf V \[1K5\] Variant - Golf V 2.0 TDI Variant](#)  
[Golf V \[1K5\] Variant - Golf V 1.4 Variant](#)  
[Golf VI \[5K1\] - Golf VI 2.0 TDI](#)  
[Golf VI \[5K1\] - Golf VI 2.0 TDI 4Motion](#)  
[Golf VI \[5K1\] - Golf VI 1.4](#)  
[Golf VI \[AJ5\] Variant - Golf VI 2.0 TDI Variant](#)  
[Golf VI \[AJ5\] Variant - Golf VI 1.4 Variant](#)  
[Jetta V \[1K6\] - Jetta V 2.0 TDI](#)  
[Jetta \[1K2\] - Jetta 2.0 TDI](#)  
[Jetta \[1K5\] SportWagen - Jetta 2.0 TDI SportWagen](#)

[Kombi \[7X\] - Kombi 1.4 Total Flex](#)  
[Lupo \[6X1\] - Lupo 1.4](#)  
[Parati II \[37\] - Parati II 1.8Mi](#)  
[Parati II \[37\] - Parati II 1.6Mi](#)  
[Parati II \[37\] - Parati II 1.0Mi 16V](#)  
[Parati III \[5X\] - Parati III 1.0Mi 16V](#)  
[Parati III \[5X\] - Parati III 1.6Mi](#)  
[Parati III \[5X\] - Parati III 1.8Mi](#)  
[Parati III \[5X\] - Parati III 1.6Mi Total Flex](#)  
[Parati III \[5X\] - Parati III 1.8Mi Total Flex](#)  
[Parati IV - Parati IV 1.6 Total Flex](#)  
[Parati IV - Parati IV 1.8 Total Flex](#)  
[Parati IV - Parati IV 1.6](#)  
[Passat \[357\] CC - Passat 2.0 TDI CC](#)  
[Passat \[357\] CC - Passat 2.0 TDI CC 4Motion](#)  
[Passat \[3B2\] - Passat 2.8](#)  
[Passat \[3B2\] - Passat 2.8 Syncro](#)  
[Passat \[3B3\] - Passat 2.8](#)  
[Passat \[3B3\] - Passat 2.8 4Motion](#)  
[Passat \[3B5\] Variant - Passat 2.8 Variant](#)  
[Passat \[3B5\] Variant - Passat 2.8 Variant Syncro](#)  
[Passat \[3B6\] Variant - Passat 2.8 Variant](#)  
[Passat \[3B6\] Variant - Passat 2.8 Variant 4Motion](#)  
[Passat \[3C2\] - Passat 2.0 TDI](#)  
[Passat \[3C2\] - Passat 2.0 TDI 4Motion](#)  
[Passat \[3C5\] Variant - Passat 2.0 TDI Variant](#)  
[Passat \[3C5\] Variant - Passat 2.0 TDI Variant 4Motion](#)  
[Pointer - Pointer 1.8i](#)  
[Polo - Polo 1.0 16V](#)  
[Polo - Polo 1.4 16V](#)  
[Polo - Polo 1.4i](#)  
[Polo Classic - Polo Classic 1.0Mi 16V](#)  
[Polo Classic \[9N2\] - Polo Classic 1.4 i](#)  
[Polo Classic \[9N4\] - Polo Classic 1.4i](#)  
[Polo Hatchback - Polo 1.4i Hatchback](#)  
[Polo Sedan - Polo Sedan 1.4 16V](#)  
[Polo \[6N1\] - Polo 1.6](#)  
[Polo \[6N2\] - Polo 1.4 16V](#)  
[Polo \[6R1\] - Polo 1.4 BiFuel](#)  
[Polo \[6V2\] Classic - Polo 1.4 Classic](#)  
[Polo \[6V5\] Variant - Polo 1.4 Variant](#)  
[Polo \[9N1\] - Polo 1.4](#)  
[Polo \[9N1\] - Polo 1.4 i](#)  
[Polo \[9N1\] - Polo 1.4i](#)  
[Polo \[9N2\] Limousine - Polo 1.4 Limousine](#)  
[Polo \[9N3\] - Polo 1.4](#)  
[Polo \[9V4\] - Polo 1.4 i](#)  
[Saveiro II \[37\] - Saveiro II 1.6Mi](#)  
[Saveiro II \[37\] - Saveiro II 1.8Mi](#)  
[Saveiro III \[5X\] - Saveiro III 1.6Mi](#)  
[Saveiro III \[5X\] - Saveiro III 1.8Mi](#)  
[Saveiro III \[5X\] - Saveiro III 1.6Mi Total Flex](#)

[Saveiro III \[5X\] - Saveiro III 1.8Mi Total Flex](#)

[Saveiro IV - Saveiro IV 1.6 Total Flex](#)

[Saveiro IV - Saveiro IV 1.8 Total Flex](#)

[Saveiro IV - Saveiro IV 1.6](#)

[Scirocco \[137\] - Scirocco 2.0 TDI](#)

[Tiguan \[5N1\] - Tiguan 2.0 TDI 4Motion](#)

[Tiguan \[5N1\] - Tiguan 2.0 TDI](#)

[Tiguan \[5N2\] - Tiguan 2.0 TDI 4Motion](#)

[Touareg \[7L6\] - Touareg 3.0 TDI](#)

[Touran \[1T1\] - Touran 2.0 TDI](#)

[Touran \[1T2\] - Touran 2.0 TDI](#)

[Voyage \[Fase II\] - Voyage 1.0 Total Flex](#)

Year	Engine	Liters	HP	System	Functions
2012/09 -	CJAA	2.0	0	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b></li> </ul>

2012/09 -	CJAA	2.0	0	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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VW Bora [1J2] - Bora 1.6					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2001/11	AZD	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
2001/11 - 2005/05	BCB	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
1999/08 - 2000/05	ATN	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
2000/05 - 2000/10	AUS	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Bora [1J2] - Bora 1.4					
Year	Engine	Liters	HP	System	Functions
1999/01 - 2000/05	APE	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
1998/09 - 2005/05	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
1998/09 - 2000/05	AKQ	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Bora [1J6] Variant - Bora 1.6 Variant					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2001/11	AZD	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

2001/11 - 2005/05	BCB	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1999/08 - 2000/05	ATN	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2000/05 - 2000/10	AUS	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Bora [1J6] Variant - Bora 1.4 Variant					
Year	Engine	Liters	HP	System	Functions
2000/05 - 2005/05	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Caddy [2K] - Caddy 1.4					
Year	Engine	Liters	HP	System	Functions
2006/05 - 2010/08	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Caddy [9K9] - Caddy 1.4					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2003/06	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Eos [1F7] - Eos 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
2008/05 - 2010/11	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b></li> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> <li>• <b>Current values</b></li> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> </ul>

- Swirl flap actuator 1, feedback
- Swirl flap actuator 2 actuation
- Swirl flap actuator 2, feedback
- Engine start: start synchronisation
- Transmission mounting 1
- Transmission mounting 2
- ACC: Torque requested
- DPF impact limit, overloaded
- DPF impact limit Self-regeneration
- DPF impact limit Service regeneration
- DPF differential pressure sensor offset
- No.of learning operations NMK 25 MPa
- No.of learning operations NMK 80 MPa
- No.of learning operations NMK 120 MPa
- Lambda sensor (B1, S1) pump voltage

VW Fox [5Z1] - Fox 1.4					
Year	Engine	Liters	HP	System	Functions
2005/04 - 2012/12	BKR	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Fox [Fase II] - Fox 1.0 Total Flex					
Year	Engine	Liters	HP	System	Functions
2009/11 -	CCNA	1.0	72 - 76	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Fox [Fase I] - Fox 1.0 Total Flex					
Year	Engine	Liters	HP	System	Functions
2008/05 - 2009/10	CCNA	1.0	72 - 76	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2003/10 - 2005/04	BJE	1.0	71 - 72	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2005/05 - 2008/04	BNX	1.0	72 - 73	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Fox [Fase I] - Fox 1.0					
Year	Engine	Liters	HP	System	Functions
2003/10 - 2005/04	AQZ	1.0	72	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol II Special [37] - Gol II Special 1.6Mi					
Year	Engine	Liters	HP	System	Functions
2002/10 - 2004/02	UNF	1.6	88	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol II [37] - Gol II 1.0Mi 8V					
Year	Engine	Liters	HP	System	Functions



1996/12 - 1999/04	AZN	1.0	54	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
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VW Gol II [37] - Gol II 1.6Mi					
Year	Engine	Liters	HP	System	Functions
1996/10 - 1999/08	UNF	1.6	88	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol II [37] - Gol II 1.8Mi					
Year	Engine	Liters	HP	System	Functions
1996/10 - 2002/05	UDH	1.8	98	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol II [37] - Gol II 1.0Mi 16V					
Year	Engine	Liters	HP	System	Functions
1997/09 - 1999/04	AZP	1.0	69	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol III [5X] - Gol III 1.0Mi 16V					
Year	Engine	Liters	HP	System	Functions
1999/05 - 2005/08	AZP	1.0	76	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol III [5X] - Gol III 1.0Mi					
Year	Engine	Liters	HP	System	Functions
2001/08 - 2005/02	AZN	1.0	65	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1999/05 - 2001/07	AZN	1.0	54	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol III [5X] - Gol III 1.6Mi Total Flex					
Year	Engine	Liters	HP	System	Functions
2003/05 - 2005/08	BJF	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol III [5X] - Gol III 1.8Mi					
Year	Engine	Liters	HP	System	Functions
1999/09 - 2003/09	UDH	1.8	98	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol III [5X] - Gol III 1.6Mi					
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Year	Engine	Liters	HP	System	Functions
1999/09 - 2005/08	UNF	1.6	88	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol III [5X] - Gol III 1.8Mi Total Flex					
Year	Engine	Liters	HP	System	Functions
2005/02 - 2005/08	BNY	1.8	103 - 106	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol III [5X] - Gol III 1.0Mi Total Flex					
Year	Engine	Liters	HP	System	Functions
2005/03 - 2006/07	BTY	1.0	65 - 68	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol IV - Gol IV 1.0 Total Flex					
Year	Engine	Liters	HP	System	Functions
2005/10 - 2010/04	BNW	1.0	68 - 71	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2005/08 - 2005/09	BTY	1.0	65 - 68	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol IV - Gol IV 1.6 Total Flex					
Year	Engine	Liters	HP	System	Functions
2005/08 - 2006/10	BJF	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2006/11 - 2008/06	BWX	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol IV - Gol IV 1.8 Total Flex					
Year	Engine	Liters	HP	System	Functions
2005/08 - 2008/06	BNY	1.8	103 - 106	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol IV - Gol IV 1.6					
Year	Engine	Liters	HP	System	Functions
2005/08 - 2008/06	UNF	1.6	97	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Gol IV - Gol IV 1.0					
Year	Engine	Liters	HP	System	Functions

2005/08 - 2008/06	AZN	1.0	65	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
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VW Gol V - Gol V 1.0 Total Flex					
Year	Engine	Liters	HP	System	Functions
2008/07 - 2012/07	CCNA	1.0	72 - 76	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Golf IV [1J1] - Golf IV 1.6					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2001/11	AZD	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2001/11 - 2004/05	BCB	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1999/11 - 2000/05	ATN	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2000/05 - 2000/10	AUS	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Golf IV [1J1] - Golf IV 1.4					
Year	Engine	Liters	HP	System	Functions
1999/05 - 2000/05	APE	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1997/10 - 2004/05	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1997/10 - 2000/05	AKQ	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Golf IV [1J5] Variant - Golf IV 1.6 Variant					
Year	Engine	Liters	HP	System	Functions
2000/09 - 2001/11	AZD	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2001/11 - 2006/06	BCB	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1999/05 - 2000/05	ATN	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2000/05 - 2000/10	AUS	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Golf IV [1J5] Variant - Golf IV 1.4 Variant					
Year	Engine	Liters	HP	System	Functions

Year	Engine	Liters	HP	System	Functions
1999/05 - 2000/05	APE	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1999/05 - 2006/06	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Golf Plus [521] - Golf Plus 2.0 TDI**

Year	Engine	Liters	HP	System	Functions
2009/01 - 2010/05	CBDC	2.0	110	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b></li> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> <li>• <b>Current values</b></li> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> </ul>

2009/01 - 2009/11	CBDB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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VW Golf Plus [521] - Golf Plus 1.4					
Year	Engine	Liters	HP	System	Functions
2009/05 - 2011/06	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
2009/01 -	CGGA	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Golf Plus [5M1] - Golf Plus 1.4					
Year	Engine	Liters	HP	System	Functions
2006/05 - 2008/12	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Golf V [1K1] - Golf V 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
2005/11 - 2008/11	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

VW Golf V [1K1] - Golf V 1.4					
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Year	Engine	Liters	HP	System	Functions
2006/05 - 2008/11	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Golf V [1K5] Variant - Golf V 2.0 TDI Variant					
Year	Engine	Liters	HP	System	Functions
2008/07 - 2009/07	CBDB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learning operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

VW Golf V [1K5] Variant - Golf V 1.4 Variant					
Year	Engine	Liters	HP	System	Functions
2007/08 - 2008/11	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Golf VI [5K1] - Golf VI 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> </ul>

2008/10 - 2009/05	CBDC	2.0	110	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2008/10 - 2009/11	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2009/04 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> </ul> </li> </ul>



2009/09 - 2012/11	CJAA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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**VW Golf VI [5K1] - Golf VI 2.0 TDI 4Motion**

Year	Engine	Liters	HP	System	Functions
2008/10 - 2009/11	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> </ul> </li> </ul>

- ACC: Torque requested
- DPF impact limit, overloaded
- DPF impact limit Self-regeneration
- DPF impact limit Service regeneration
- DPF differential pressure sensor offset
- No.of learning operations NMK 25 MPa
- No.of learning operations NMK 80 MPa
- No.of learnng. operations NMK 120 MPa
- Lambda sensor (B1, S1) pump voltage

VW Golf VI [5K1] - Golf VI 1.4					
Year	Engine	Liters	HP	System	Functions
2008/10 - 2012/11	CGGA	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Golf VI [AJ5] Variant - Golf VI 2.0 TDI Variant					
Year	Engine	Liters	HP	System	Functions
2009/07 -	CBDB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b></li> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> <li>• <b>Current values</b></li> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Injector quantity adjustment</li> </ul>

2009/07 - 2010/09	CBDA	2.0	136	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learning operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2010/09 -	CJAA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> </ul> </li> </ul>

- Engine start: start synchronisation
- Transmission mounting 1
- Transmission mounting 2
- ACC: Torque requested
- DPF impact limit, overloaded
- DPF impact limit Self-regeneration
- DPF impact limit Service regeneration
- DPF differential pressure sensor offset
- No.of learning operations NMK 25 MPa
- No.of learning operations NMK 80 MPa
- No.of learnng. operations NMK 120 MPa
- Lambda sensor (B1, S1) pump voltage

VW Golf VI [AJ5] Variant - Golf VI 1.4 Variant					
Year	Engine	Liters	HP	System	Functions
2009/07 -	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Jetta V [1K6] - Jetta V 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
2009/04 -	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b></li> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> <li>• <b>Current values</b></li> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>

Year	Engine	Liters	HP	System	Functions
2008/07 - 2010/10	CBDA	2.0	136	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2008/04 -	CBEA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2009/07 -	CJAA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2006/07 - 2008/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> </ul> </li> </ul>

- Diesel particulate filter regeneration run
- Diesel particulate filter status
- **Current values**
  - Diesel particulate filter charge
  - Time from last regeneration

**VW Jetta [1K5] SportWagen - Jetta 2.0 TDI SportWagen**

Year	Engine	Liters	HP	System	Functions
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2008/04 -	CBEA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> </ul>
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2009/09 -	CJAA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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VW Kombi [7X] - Kombi 1.4 Total Flex					
Year	Engine	Liters	HP	System	Functions
2006/01 -	BTJ	1.4	78 - 80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Lupo [6X1] - Lupo 1.4					
Year	Engine	Liters	HP	System	Functions
2001/11 - 2005/07	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
1999/05 - 2000/09	APE	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
1999/05 - 2000/05	AQQ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
2000/09 - 2002/04	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
2000/05 - 2005/07	AUB	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
1998/10 - 2004/05	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
1998/10 - 1999/05	AKQ	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>
1998/10 - 2000/10	AFK	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>



VW

Parati II [37] - Parati II 1.8Mi

Year	Engine	Liters	HP	System	Functions
1996/10 - 1999/07	UDH	1.8	98	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW

Parati II [37] - Parati II 1.6Mi

Year	Engine	Liters	HP	System	Functions
1996/10 - 1999/07	UNF	1.6	88	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW

Parati II [37] - Parati II 1.0Mi 16V

Year	Engine	Liters	HP	System	Functions
1997/08 - 1999/04	AZP	1.0	69	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW

Parati III [5X] - Parati III 1.0Mi 16V

Year	Engine	Liters	HP	System	Functions
1999/05 - 2003/09	AZP	1.0	69	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW

Parati III [5X] - Parati III 1.6Mi

Year	Engine	Liters	HP	System	Functions
1999/08 - 2005/08	UNF	1.6	88	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW

Parati III [5X] - Parati III 1.8Mi

Year	Engine	Liters	HP	System	Functions
1999/08 - 2005/08	UDH	1.8	98	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW

Parati III [5X] - Parati III 1.6Mi Total Flex

Year	Engine	Liters	HP	System	Functions
2003/05 - 2005/08	BJF	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW

Parati III [5X] - Parati III 1.8Mi Total Flex

Year	Engine	Liters	HP	System	Functions
2005/02 - 2005/08	BNY	1.8	103 - 106	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW

Parati IV - Parati IV 1.6 Total Flex

Year	Engine	Liters	HP	System	Functions
2005/09 - 2006/10	BJF	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2006/11 - 2012/10	BWX	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Parati IV - Parati IV 1.8 Total Flex					
Year	Engine	Liters	HP	System	Functions
2005/09 - 2008/12	BNY	1.8	103 - 106	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Parati IV - Parati IV 1.6					
Year	Engine	Liters	HP	System	Functions
2005/09 - 2008/12	UNF	1.6	92	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Passat [357] CC - Passat 2.0 TDI CC					
Year	Engine	Liters	HP	System	Functions
2008/05 - 2010/11	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b></li> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> <li>• <b>Current values</b></li> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> </ul>

					<ul style="list-style-type: none"> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2008/08 - 2010/11	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

VW

Passat [357] CC - Passat 2.0 TDI CC 4Motion

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> </ul>

2009/11 - 2010/11	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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VW Passat [3B2] - Passat 2.8					
Year	Engine	Liters	HP	System	Functions
1999/10 - 2000/11	ATX	2.8	190	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Passat [3B2] - Passat 2.8 Syncro					
Year	Engine	Liters	HP	System	Functions
1999/10 - 2000/11	ATX	2.8	193	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Passat [3B3] - Passat 2.8					
Year	Engine	Liters	HP	System	Functions
2000/10 - 2005/05	BBG	2.8	190	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Passat [3B3] - Passat 2.8 4Motion					
Year	Engine	Liters	HP	System	Functions
2000/10 - 2005/05	BBG	2.8	190	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Passat [3B5] Variant - Passat 2.8 Variant					
Year	Engine	Liters	HP	System	Functions
1999/10 - 2000/11	ATX	2.8	190	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Passat [3B5] Variant - Passat 2.8 Variant Syncro					
Year	Engine	Liters	HP	System	Functions
1999/10 - 2000/11	ATX	2.8	193	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Passat [3B6] Variant - Passat 2.8 Variant					
Year	Engine	Liters	HP	System	Functions
2000/10 - 2005/05	BBG	2.8	190	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Passat [3B6] Variant - Passat 2.8 Variant 4Motion					
Year	Engine	Liters	HP	System	Functions
2000/10 - 2005/05	BBG	2.8	190	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>

VW Passat [3C2] - Passat 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
2008/05 - 2010/07	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2008/11 - 2010/07	CBDC	2.0	110	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2008/05 - 2009/11	CBAA	2.0	136	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2005/03 - 2008/06	BKP	2.0	140	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>
2005/08 - 2008/06	BUZ	2.0	163	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>
2005/06 - 2006/02	BVE	2.0	122	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>
2006/03 - 2006/05	BWV	2.0	120	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

Year	Engine	Liters	HP	System	Functions
2008/05 - 2010/08	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2009/05 -				Engine control	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b></li> </ul>



2010/07	CBBB	2.0	170	Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2005/03 - 2008/06	BKP	2.0	140	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

**VW Passat [3C5] Variant - Passat 2.0 TDI Variant**

Year	Engine	Liters	HP	System	Functions
2008/01 - 2009/11	CBA A	2.0	136	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2008/01 - 2010/11	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> </ul> </li> </ul>

2008/05 - 2010/11	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2008/11 - 2010/11	CBDC	2.0	110	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> </ul> </li> </ul>

2005/08 - 2008/06	BKP	2.0	140	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>- Lambda sensor (B1, S1) pump voltage</li> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>
2005/08 - 2006/02	BVE	2.0	122	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>
2006/03 - 2006/05	BWV	2.0	120	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

VW

Passat [3C5] Variant - Passat 2.0 TDI Variant 4Motion

Year	Engine	Liters	HP	System	Functions
2008/05 - 2010/11	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2009/05 - 2010/11	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2005/08 - 2008/06	BKP	2.0	140	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b></li> </ul>

- Diesel particulate filter charge  
- Time from last regeneration

VW Pointer - Pointer 1.8i					
Year	Engine	Liters	HP	System	Functions
2005/09 -	UDH	1.8	99	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo - Polo 1.0 16V					
Year	Engine	Liters	HP	System	Functions
2002/07 - 2005/05	ARA	1.0	58	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo - Polo 1.4 16V					
Year	Engine	Liters	HP	System	Functions
2002/09 - 2005/02	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2006/08 -	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo - Polo 1.4i					
Year	Engine	Liters	HP	System	Functions
2003/06 -	BCC	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo Classic - Polo Classic 1.0Mi 16V					
Year	Engine	Liters	HP	System	Functions
2001/02 - 2003/07	AZP	1.0	69	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo Classic [9N2] - Polo Classic 1.4 i					
Year	Engine	Liters	HP	System	Functions
2004/10 - 2005/05	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo Classic [9N4] - Polo Classic 1.4i					
Year	Engine	Liters	HP	System	Functions
2005/06 - 2009/12	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo Hatchback - Polo 1.4i Hatchback					
Year	Engine	Liters	HP	System	Functions
2002/04				Engine control	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> </ul>

-	BCC	1.4	75	Marelli 4	- Evaporative emission control functional test
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VW Polo Sedan - Polo Sedan 1.4 16V					
Year	Engine	Liters	HP	System	Functions
2002/11 - 2005/02	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2006/08 -	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo [6N1] - Polo 1.6					
Year	Engine	Liters	HP	System	Functions
1996/03 - 1999/12	AHS	1.6	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1998/04 - 1999/12	AJV	1.6	120	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo [6N2] - Polo 1.4 16V					
Year	Engine	Liters	HP	System	Functions
1999/10 - 2001/09	AUB	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2000/05 - 2000/12	APE	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1999/07 - 2000/05	AQQ	1.4	101	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1998/09 - 2001/09	AFK	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
1999/01 - 2001/09	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo [6R1] - Polo 1.4 BiFuel					
Year	Engine	Liters	HP	System	Functions
2010/03 - 2011/01	CMAA	1.4	82	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Polo [6V2] Classic - Polo 1.4 Classic					
Year	Engine	Liters	HP	System	Functions
1999/10 - 2000/06	APE	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2000/06 - 2001/09	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Polo [6V5] Variant - Polo 1.4 Variant**

Year	Engine	Liters	HP	System	Functions
1999/10 - 2000/06	APE	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2000/06 - 2001/09	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Polo [9N1] - Polo 1.4**

Year	Engine	Liters	HP	System	Functions
2001/09 - 2005/04	BBZ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2001/09 - 2004/05	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2001/09 - 2002/01	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2001/11 - 2002/04	AUB	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2004/05 - 2005/05	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Polo [9N1] - Polo 1.4 i**

Year	Engine	Liters	HP	System	Functions
2003/10 - 2005/05	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Polo [9N1] - Polo 1.4i**

Year	Engine	Liters	HP	System	Functions
2004/06 - 2010/04	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Polo [9N2] Limousine - Polo 1.4 Limousine**

Year	Engine	Liters	HP	System	Functions
2003/07 - 2007/05	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2003/11 - 2007/05	BBZ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2004/05 - 2007/05	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Polo [9N3] - Polo 1.4**



Year	Engine	Liters	HP	System	Functions
2005/04 - 2007/05	BBZ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2005/04 - 2007/07	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2006/05 - 2009/12	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Polo [9V4] - Polo 1.4 i**

Year	Engine	Liters	HP	System	Functions
2002/10 - 2003/12	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Saveiro II [37] - Saveiro II 1.6Mi**

Year	Engine	Liters	HP	System	Functions
1997/07 - 2000/01	UNF	1.6	88	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Saveiro II [37] - Saveiro II 1.8Mi**

Year	Engine	Liters	HP	System	Functions
1997/07 - 2000/01	UDH	1.8	98	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Saveiro III [5X] - Saveiro III 1.6Mi**

Year	Engine	Liters	HP	System	Functions
2000/02 - 2003/09	UNF	1.6	88	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Saveiro III [5X] - Saveiro III 1.8Mi**

Year	Engine	Liters	HP	System	Functions
2000/02 - 2005/08	UDH	1.8	98	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Saveiro III [5X] - Saveiro III 1.6Mi Total Flex**

Year	Engine	Liters	HP	System	Functions
2003/05 - 2005/08	BJF	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

**VW Saveiro III [5X] - Saveiro III 1.8Mi Total Flex**

Year	Engine	Liters	HP	System	Functions

2005/02 - 2005/08	BNY	1.8	103 - 106	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
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VW Saveiro IV - Saveiro IV 1.6 Total Flex					
Year	Engine	Liters	HP	System	Functions
2005/09 - 2006/10	BJF	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>
2006/11 - 2009/08	BWX	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Saveiro IV - Saveiro IV 1.8 Total Flex					
Year	Engine	Liters	HP	System	Functions
2005/09 - 2009/08	BNY	1.8	103 - 106	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Saveiro IV - Saveiro IV 1.6					
Year	Engine	Liters	HP	System	Functions
2005/09 - 2009/08	UNF	1.6	92	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Evaporative emission control functional test</li> </ul>

VW Scirocco [137] - Scirocco 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
2008/10 - 2010/11	CBDB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b></li> <li>- Quantities comparison</li> <li>• <b>Adjustments / settings</b></li> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b></li> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> <li>• <b>Current values</b></li> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> </ul>

					<ul style="list-style-type: none"> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2009/05 - 2010/11	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

VW

Tiguan [5N1] - Tiguan 2.0 TDI 4Motion

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> </ul> </li> </ul>

2007/11 - 2011/05	CBAA	2.0	136	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
2008/02 - 2011/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> </ul> </li> </ul>

					<ul style="list-style-type: none"> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul>
2008/03 - 2011/05	CBBA	2.0	163	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>

**VW Tiguan [5N1] - Tiguan 2.0 TDI**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> </ul>

2008/03 - 2011/05	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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**VW Tiguan [5N2] - Tiguan 2.0 TDI 4Motion**

Year	Engine	Liters	HP	System	Functions
2011/05 -	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> </ul> </li> </ul>

- No.of learning operations NMK 25 MPa
- No.of learning operations NMK 80 MPa
- No.of learnng. operations NMK 120 MPa
- Lambda sensor (B1, S1) pump voltage

**VW Touareg [7L6] - Touareg 3.0 TDI**

Year	Engine	Liters	HP	System	Functions
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2007/11 - 2010/05	CASA	3.0	239	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b> <ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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					<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Injector quantity adjustment</li> <li>- Menu driven configuration</li> <li>- Rail pressure sensor adjustment</li> <li>- Basic adjustment throttle valve</li> <li>- Basic adjustment, full acceleration position</li> <li>- Basic adjustment, exhaust gas recirculation</li> <li>- Reset after replacement of additive filter</li> <li>- Idle speed adjustment</li> <li>- Exhaust gas recirculation valve basic setting</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Swirl flap basic setting</li> <li>- Boost pressure actuator basic adjustment</li> <li>- Swirl flap basic setting (Bank 1)</li> <li>- Swirl flap basic setting (Bank 2)</li> </ul> </li> <li>• <b>Special functions</b></li> </ul>
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2008/01 - 2010/05	CASC	3.0	239	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> <li>- Particle filter-Regeneration</li> <li>- Fuel tank emptying</li> <li>- Bleeding fuel system</li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Swirl flap position sensor</li> <li>- Eng. torque limit (smoke limitation)</li> <li>- Exhaust gas recirculation Position Actual Value</li> <li>- Exhaust gas recirculation Position Target Value</li> <li>- Rail pressure control valve</li> <li>- Charge pressure actuator feedback</li> <li>- Swirl flap actuator 1, actuation</li> <li>- Swirl flap actuator 1, feedback</li> <li>- Swirl flap actuator 2 actuation</li> <li>- Swirl flap actuator 2, feedback</li> <li>- Engine start: start synchronisation</li> <li>- Transmission mounting 1</li> <li>- Transmission mounting 2</li> <li>- ACC: Torque requested</li> <li>- DPF impact limit, overloaded</li> <li>- DPF impact limit Self-regeneration</li> <li>- DPF impact limit Service regeneration</li> <li>- DPF differential pressure sensor offset</li> <li>- No.of learning operations NMK 25 MPa</li> <li>- No.of learning operations NMK 80 MPa</li> <li>- No.of learnng. operations NMK 120 MPa</li> <li>- Lambda sensor (B1, S1) pump voltage</li> </ul> </li> </ul>
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VW Touran [1T1] - Touran 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
2005/11 - 2006/11	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

VW Touran [1T2] - Touran 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
2006/11 - 2010/05	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Quantities comparison</li> </ul> </li> <li>• <b>Adjustments / settings</b> <ul style="list-style-type: none"> <li>- Menu driven configuration</li> <li>- Basic adjustment, full acceleration position</li> <li>- Reset after replacement of additive filter</li> <li>- Diesel particle filter diff. pressure sensor adaptation</li> <li>- Diesel particulate filter regeneration run</li> <li>- Diesel particulate filter status</li> </ul> </li> <li>• <b>Current values</b> <ul style="list-style-type: none"> <li>- Diesel particulate filter charge</li> <li>- Time from last regeneration</li> </ul> </li> </ul>

VW Voyage [Fase II] - Voyage 1.0 Total Flex					
Year	Engine	Liters	HP	System	Functions
2008/10 - 2012/07	CCNA	1.0	72 - 76	Engine control Marelli 4	<ul style="list-style-type: none"> <li>• <b>Functional tests</b> <ul style="list-style-type: none"> <li>- Evaporative emission control functional test</li> </ul> </li> </ul>



